

Dr. Laura Hosman

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& The Polytechnic School
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ACADEMIC POSITIONS

- Arizona State University**, Associate Professor, joint appointment in the School for the Future of Innovation in Society and The Polytechnic School 2018-present
Assistant Professor, joint appointment in the School for the Future of Innovation in Society and The Polytechnic School 2016-2018
Senior Sustainability Scientist, Julie Ann Wrigley Global Institute of Sustainability 2017-present
Honors Faculty, Barrett the Honors College 2017-present
- California Polytechnic State University**, Assistant Professor of Ethics, Public Policy, Science & Technology (EPPST). Joint appointment in the Science, Technology, and Society (STS) Program and the Department of Political Science 2014-2016
- Illinois Institute of Technology**, Assistant Professor, Political Science 2009-2014
Associate Chair, Department of Social Sciences 2011-2012
- University of California, Berkeley**, Ciriacy-Wantrup Postdoctoral Fellow in Natural Resource Economics and Political Economy, Environmental Science, Policy & Management, Department of Natural Resources 2007-2009
- University of Southern California**, Postdoctoral Research Fellow, Institute for Communication Technology Management, Marshall School of Business 2006-2007
- University of Southern California**, Lecturer, School of Public Policy and Development 2007

EDUCATION

- University of Southern California**, Ph.D., *with distinction*, Political Economy & Public Policy 2006
- University of Southern California**, M.A., Economics 2004
- University of Amsterdam**, M.A., *cum laude*, International Relations, Fulbright Scholar 2000
- Wheaton College**, B.A., *magna cum laude*, Political Science 1997

AWARDS & FELLOWSHIPS

- ASU President's Award for Principled Innovation 2025
- SXSW (South by Southwest) SolarSPELL Digital Libraries named "Best in Show" at Innovation Awards. This was the conference's top honor, as SolarSPELL was selected over all 11 categories, which each had 5 finalists, from over 400 entrants 2025

MIT-Solve TPrize Challenge Finalist (top 10 out of over 300 applications)	2020
PLuS Alliance Fellow	2020-2022
Tech4Islands Awards Finalist (top 6 out of 66 applications) FrenchTech Digital Festival Tahiti	2019
Global Humanitarian Award, IEEE Phoenix Section	2019
PLuS Alliance Prize for Education Innovation	2017
Distinguished Alumni Award, Fridley High School, Fridley MN	2016
Best Paper Award: Meheroo Jussawalla Research Paper Prize, Pacific Telecommunications Council (PTC) 36 th Annual Conference	2014
Dean's Excellence Award for Teaching, College of Science and Letters (IIT)	2011
Outstanding Faculty Award, Interprofessionalization (IPRO) Program (IIT)	2011
Society for New Communications Research (SNCR) Excellence Award, Collaboration and Co-Creation, Academic Division, for Solar Powering Project in Haiti	2010
Tyler Environmental Prize Final Year Dissertation Fellowship (USC)	2005-2006
Urban and Global Interdisciplinary Ph.D. Dissertation Fellowship (USC)	2005
CIBEAR International Business Issues Dissertation Award (USC)	2004
Haynes Foundation Dissertation Fellowship (USC)	2003-2004
Urban Studies Strategic Theme Summer Fellowship (USC)	2003
Haynes Foundation Intermediate Graduate Fellowship (USC)	2002-2003
Venice International University Tuition Scholarship (VIU, Venice, Italy)	2001
Fulbright Scholarship for graduate studies in The Netherlands	1999-2000

PEER REVIEWED JOURNAL ARTICLES & CHAPTERS

- Hosman, L., & Nova, R. (2025). Offline solutions for agricultural extension: Integrating digital libraries into train-the-trainer programs. *Advancements in Agricultural Development*, 6(1), 5–18. <https://doi.org/10.37433/aad.v6i1.547>
- Farrell, L., Hosman, L., Barrett, C. B., & Nova, R. (2024). Educational continuity in emergencies: The role of offline digital libraries in under-connected communities. *Journal of Information Technology Education: Innovations in Practice*, 23, Article 14. <https://doi.org/10.28945/5385>
- Hosman, L., Nova, R., Naji, O.A.A.M., & Alsaka, L. (2024). An overview of Arabic language Open Educational Resources (OER) for primary and secondary education and their use in offline environments. *Electronic Journal of E-Learning*, 22(9), 1-14. <https://doi.org/10.34190/ejel.22.9.3616>
- Al-Khmisy, R., Hosman, L. & Nova, R. (2023). Curating an offline Wikipedia-for-Schools in any language: A road map. *International Journal of Emerging Technologies in Learning*. 18(21) 129-148. <https://doi.org/10.3991/ijet.v18i21.44313>

- Ross H. M., Hosman L., Baikie B., Blau E., Simpson C.J. (2022). SolarSPELL health and education: global solutions with local impacts. *Journal of Global Health Reports*. 2022;6:e2022050. <https://doi:10.29392/001c.38734> and [here](#)
- Gómez-Zermeño, M., Alemán de la Garza, L., & Hosman, L. (2022). Uso de bibliotecas digitales solares para la enseñanza del cambio climático en comunidades rurales. *Revista Interamericana de Bibliotecología*, 45(3), e346130. <https://doi.org/10.17533/udea.rib.v45n3e346130>
- Hosman, L., Gómez-Zermeño, M. G., & Alemán de la Garza, L. (2020). SolarSPELL Assessment: Impact of a Solar-Powered Digital Library as a Teaching-Learning Resource on Climate Change. *Sustainability*, 12, 6636, <https://doi.org/10.3390/su12166636>
- Hosman, L., Walsh, C., Pérez Comisso, M., & Sidman, J. (2020). Building online skills in offline realities: The SolarSPELL initiative. *First Monday*, Vol. 25 No. 7, July. <https://firstmonday.org/ojs/index.php/fm/article/download/10839/9559>, doi: <http://dx.doi.org/10.5210/fm.v25i7.10839>
- Hosman, L. and Pérez Comisso, M.A. (2020). How do we understand “meaningful use” of the internet? Of divides, skills and socio-technical awareness. *Journal of Information, Communication, and Ethics in Society*, 18(3), 461-479, <https://doi.org/10.1108/JICES-05-2020-0055>
- Hosman, L., Ross, H.M., Petersen, S., Jalaghi, A., & Andrusaitis, K. (2020). Developing an Offline, Digital Library for South Sudan – The SolarSPELL Health: Nursing and Midwifery Library. *The South Sudan Medical Journal* (13)4, 153-155. Available at http://www.southsudanmedicaljournal.com/assets/files/Journals/vol_13_iss_4_nov_20/Solarspell-Final.pdf
- Hosman, L., & Jacobs, G. (2018). From Active Learning to Taking Action: Incorporating Political Context into Project-Based, Interdisciplinary, International Service Learning Courses. *Journal of Political Science Education*, 14(4) 473-490.
- Hosman, L. (2018). Impatience as a Virtue: Addressing Persistent ICT-in-Education Challenges in Small Developing Countries, 169-193. In I. Lubin (Ed.), *ICT-Supported Innovations in Small Countries and Developing Regions*. Switzerland: Springer International Publishing.
- Hosman, L., & Arney, L.E. (2017). Taking Technology to the Field: Hardware Challenges in Developing Countries. *Information Technology for Development*, 23(4) 648-667. DOI: 10.1080/02681102.2017.1363028
- Arney, L. E. & Hosman, L. (2016). The Centrality of Electricity to ICT use in Low-Income Countries. *Telecommunications Policy*, 40(7) 617-627.
- Vergine, D., & Hosman, L. (2015). Designing Technology for Inclusive Growth. In Dutta, S., Geiger, T. & Lanvin, B. (Eds.) *The Global Information Technology Report 2015: ICTs for Inclusive Growth*. Geneva: World Economic Forum. Pp. 93-99. Available at http://www3.weforum.org/docs/WEF_Global_IT_Report_2015.pdf

- Hosman, L. (2014). International Service-Learning Partnerships: Lessons of Successes and Challenges that Defy Simple Categorization. *Partnerships: A Journal of Service Learning and Civic Engagement*, 5(1) 24-50. Available at <http://libjournal.uncg.edu/prt/article/view/725>
- Hosman, L. & Howard, P.N. (2014). Telecom Policy Across the Former Yugoslavia: Incentives, Challenges, and Lessons Learned. *Journal of Information Policy*, 4, 67-104. Available at <http://jip.vmhost.psu.edu/ojs/index.php/jip/article/view/156/112>
- Hosman, L. & Cvetanoska, M. (2013). Teachers, Technology, & Training: Combining Theory with Macedonia's Experience. *International Journal of Education and Development using ICT*. 9(3) 28-49. Available at <http://ijedict.dec.uwi.edu/viewissue.php?id=36>
- Hosman, L. & Baikie, B. (2013). Solar Powered Cloud Computing Datacenters. *IEEE IT Professional*, March-April, 15-21.
- Hosman, L., & Fife, E. (2012). The Use of Mobile Phones for Development in Africa: Top-Down-Meets-Bottom-up Partnering. *The Journal of Community Informatics*, 8(3). Available at <http://ci-journal.net/index.php/ciej/article/view/560/938>
- Hosman, L. (2011). Making the Transition from Pilot to Scale: Examining Sustainability and Scalability Issues in a Public-Private Telecenter Partnership in Sri Lanka. *Information Technology for Development*, 17(3) 232-248.
- Hosman, L. (2010). Policy Considerations from a Nationwide IT-in-Education Initiative: Macedonia Connects. *Journal of Information Technology and Politics*, 7(4), 369-383.
- Hosman, L. (2010). Policies, Partnerships, and Pragmatism: Lessons from an ICT-in-Education Project in Rural Uganda. *Information Technology for International Development*, 6(1), 48-64. Available at <http://itidjournal.org/itid/article/view/488/213>
- Hosman, L. (2010). A National ICT-in-Education Initiative: Macedonia Connects. In Kamel, S. (Ed.) *E-Strategies for Technological Diffusion and Adoption: National ICT Approaches for Socioeconomic Development*. Hershey, PA: IGI Global. Pp. 1-16.
- Hosman, L. (2009). Dividing the Oils: Dynamic Bargaining as Policy Formation in the Nigerian Petroleum Industry. *Review of Policy Research: The Politics and Policy of Science and Technology*, 26(5), 609-632.
- Hosman, L. (2009). Dynamic Bargaining and the Prospects for Learning in the Petroleum Industry: The Case of Kazakhstan. *Perspectives on Global Development and Technology*, 8(1), 1-25.
- Hosman, L., Fife, E., & Armeiy, L. E. (2008). The Case for a Multi-Methodological, Cross-Disciplinary Approach to the Analysis of ICT Investment in the Developing World. *Information Technology for Development*, 14(4), 308-327.
- Hosman, L. & Fife, E. (2008). Improving the Prospects for Sustainable ICT Projects in the Developing World. *International Journal of Media and Cultural Politics*, 4(1), 51-70.
- Fife, E., Hosman, L., & Pereira, F. (2008). Governmental and Cultural Factors in Broadband Adoption. In Dwivedi, Y.K., Papazafeiropoulou, A., & Choudrie, J. (Eds.) *Handbook of Research on Global*

Diffusion of Broadband Data Transmission: Factors Affecting the Adoption, Usage and Economics of Broadband. Hershey, PA: IGI Global.

Hosman, L. & Fife, E. (2007). Public Private Partnerships and the Prospects for Sustainable ICT Projects in the Developing World. *Journal of Business Systems Governance and Ethics*, 2(3), 53-66.
Available at <http://www.jbsge.vu.edu.au/issues/vol02N03.html>

PEER REVIEWED (TECHNICAL) CONFERENCE PROCEEDINGS*

*In technical fields like computer science and information systems, papers in peer-reviewed conferences are accepted as equal in value to high-quality scholarly articles.

Linzy, K & Hosman, L. (2018). The SolarSPELL Offline Digital Library. Presented at WLIC-IFLA 2018 conference, published under creative commons in the IFLA (International Federation of Libraries Association) institutional repository, at: <http://library.ifla.org/2106/>

Baikie, B. & Hosman, L. (2011). Green Cloud Computing in Developing Regions: Moving Data and Processing Closer to the End User. *Proceedings of the 2011 Technical Symposium at ITU Telecom World (ITU WT)*, Geneva, Switzerland, IEEE Press, 24-28.

Hosman, L. & Cvetanoska, M. (2010). Technology, Teachers, & Training: Combining Theory with Macedonia's Experience. *Proceedings of the 4th International Conference on Information and Communications Technology and Development (ICTD)*, London, England. ACM Press.

Hosman, L. (2008). A Pilot Takes Off: Examining Sustainability and Scalability in the Context of a Sri Lankan Public Private Partnership Telecenter Project. *Proceedings of the 19th Australasian Conference on Information Systems*, Christchurch, New Zealand. Available at <http://www.bsec.canterbury.ac.nz/acis2008/Papers/acis-0074-2008.pdf>

Fife, E., Hosman, L., and Pereira, F. (2008). Public-Private Partnerships and Development: A New and Effective Model? *Proceedings of the 17th Biennial International Telecommunications Society Conference* in Montreal, Canada.

PEER REVIEWED WORKING PAPER PUBLICATIONS

Hosman, L. and Howard, P. N. (2010). Information Policy and Technology Diffusion: Lessons from Bosnia, Croatia, Macedonia, Montenegro, Serbia and Slovenia. World Information Access Project Working Paper #2010.1. Seattle: University of Washington. Available at <http://www.wiaproject.org/index.php/publications/working-papers>

Hosman, L. (2009). Creating a Culture of Use in ICT for Education and Development Projects: The Case of Macedonia Connects. The University of North Carolina, Greensboro, McDowell Research Center for Global IT Management Working Paper Series.

OTHER PUBLICATIONS & POLICY PAPERS

Hosman, L., & Orisi, A. (2022). Education for all: An initiative to bring digital learning to everyone. In UNESCO - Mahatma Gandhi Institute of Education for Peace and Sustainable Development,

#KindnessMatters: 50 inspiring stories of empathy, compassion and kindness (pp. 128-131). Penguin Random House India Pvt Ltd.

Hosman, L., (2020). Acceso a herramientas de aprendizaje digital más importante que nunca. Sentido Común. (Opinion piece / OpEd) Published 8/15/2020. Available at:
https://www.sentidocomun.com.mx/articulo-contribuidores-cs.phtml?id_contrib=1798

Hosman, L., Ross, H.M., Petersen, S., Jalaghi, A., & Andrusaitis, K. (2020). Developing an Offline, Digital Library for South Sudan – The SolarSPELL Health: Nursing and Midwifery Library. *The South Sudan Medical Journal* (13)4, 153-155. Available at
http://www.southsudanmedicaljournal.com/assets/files/Journals/vol_13_iss_4_nov_20/Solarspell-Final.pdf

Hosman, L. (2014). Emerging Markets: Top ICT4D Hardware Challenges. San Francisco: Inveneo. Report commissioned by USAID and ARM, Ltd. Available at <http://www.inveneo.org/wp-content/uploads/2014/07/FINALTop-ICT-Hardware-Challenges-White-Paper.pdf>

Baikie, B. & Hosman, L. (2011, September). The Green Cloud: A Broadband Springboard? Appropriate Hosting Infrastructure Improves Broadband Economics. *Intermedia*, 39 (4), 39-43.

Hosman, L. & Fife, E. (2011, May). Innovative Partnerships? Creating the Right Conditions for Mobile Growth in Africa. *Intermedia*, 39 (2), 20-25.

Hosman, L. (2011, February 28). Teacher Training on ICT Cannot be a One-Time Event. Educational Technology Debate (sponsored by *infoDev* and UNESCO). Available at:
<https://edutechdebate.org/teacher-training/teacher-training-on-ict-cannot-be-a-one-time-event/>

UN E-Government Survey 2008: From E-Government to Connected Governance. New York: United Nations Department of Economic and Social Affairs Division for Public Administration and Development Management. Senior researcher and translator: French and Dutch, with focus on African Government Web Sites. February, 2008

Los Angeles County WiFi Feasibility Report. Prepared for the Los Angeles County Board of Supervisors and the County Information Office by the Center for Telecom Management, University of Southern California. Principal Researcher. Available at
lacounty.info/omd/q1_2008/cms1_086410.pdf October, 2007

California's Telecommunications Strategy: Business and Management Challenges Strategic Vision Paper. Prepared for the Chief Information Officer, State of California, by the Collaborative on E-Governance, University of Southern California. Contributing author. March, 2007

Global E-Government Readiness Report 2005: From E-Government to E-Inclusion. New York: United Nations, 2005. Senior researcher and translator: French, Italian, and Dutch. Main researcher for African Government Web Sites. December, 2005

United Nations Global E-Government Readiness Report 2004: Towards Access for Opportunity. New York: United Nations, 2004. Researcher, translator: French, Italian, and Dutch. November, 2004

FUNDING: GRANTS & GIFTS

FUNDED (AT FULL AMOUNT UNLESS OTHERWISE NOTED)

Arizona Community Foundation (Reese Strategic Opportunities Fund). Gift to support community library development project in Senegal with partner Tostan (PI: \$515,056)	2025-2026
Arizona Community Foundation (Global Education Initiative Fund). Gift to support the SolarSPELL initiative in launching Conservation Agriculture Training in South Sudan and continuing to build a localized SolarSPELL Agriculture Training Course for South Sudan, and for expansion of SolarSPELL Education libraries in NE Syria with the Autonomous Administration of NE Syria (PI: \$279,818)	2024-2025
S. Rex & Joan T. Lewis Family Foundation. Gift to support development of Conservation Agriculture-based learning modules specific to coffee farming, and to pilot this content in Rwanda (PI: \$50,000)	2024
Arizona Community Foundation (EmpowerKids South Sudan). Gift to support the SolarSPELL initiative in four main areas: Continued work on Middle East Library for NE Syria (Kurdistan) and Building SolarSPELL training course in Arabic; Launching Conservation Agriculture Training in Rwanda and Building SolarSPELL Agriculture Training Course; Continued work on Health Libraries expansion in Malawi; (PI: \$350,000)	2023-2024
Krumwiede-Lewis Foundation. Gift to enable SolarSPELL team to travel to Lesotho to gather additional footage and complete work on a documentary film about the SolarSPELL initiative (PI: \$16,500)	2023
S. Rex & Joan T. Lewis Family Foundation. Gift to support development of Conservation Agriculture (CA) Learning Modules and translation of modules into Kinyarwanda, working with Bridge2Rwanda to introduce the SolarSPELL Agriculture library and CA Learning Lessons to Rwandan Agricultural Extension Workers (PI: \$50,000)	2023
Arizona Community Foundation (EmpowerKids South Sudan). Gift to support the SolarSPELL initiative in four main areas: Middle East Library for NE Syria (Kurdistan); Building out Conservation Agriculture Learning Modules working with Foundations for Farming; Developing Health Libraries and Training on them in Malawi; Completing of South Sudan Monitoring and Evaluation project. (PI: \$225,426)	2022-2023
Google exploreCSR: 3 rd year of funding from Google Research funding to host a workshop at ASU introducing undergraduates from underrepresented minority groups to graduate-level study in computer science research. Workshop focus is on doing impactful work through computer science (“computing for good”) and to provide two REUs (Research Experiences for Undergraduates) in Summer 2023 (PI: \$24,000)	2022-2023
TensorFlow: Add-on funding (to Google exploreCSR grant above) to support additional outreach activities focused on Tiny ML (Machine Learning) tools and software, as a hands-on activity for learning during exploreCSR workshop, to widen access to historically marginalized groups in computer science (PI: \$7,000)	2023
Arizona Community Foundation (EmpowerKids South Sudan). Gift to support the SolarSPELL initiative in three main areas: further (language) localization of SolarSPELL libraries in	

Ethiopian refugee camp schools; monitoring and evaluation project on use and impact of SolarSPELL libraries in schools in the Juba, South Sudan area; and creation and preparation of SolarSPELL library in Arabic for pilot implementation in NE Syria. (PI: \$187,167)	2021-2022
Experimental Humanities Collaborative Network (EHCN). Funding to assist with SolarSPELL Build Day and to incorporate discussion of technology and growing inequality vis-à-vis our shared future. (PI: \$2,000)	2022
Vogel Family Foundation: Gift to support SolarSPELL Pilot Project in Mexico (PI: \$10,000)	2022
S. Rex & Joan T. Lewis Family Foundation. Gift to support development of an Additional Language version of SolarSPELL's Offline Training Course to support Train-the-Trainer trainings locally. (PI: \$50,000)	2022
UNHCR (United Nations High Commission for Refugees): Funding for pilot program to introduce SolarSPELL offline digital libraries to two refugee camps in Ethiopia. Project included: localizing the content of the SolarSPELL libraries; training teachers and teacher-trainers; creating new curriculum, teacher guides, and modules to complement LEGO Foundation's "Learning Through Play" (LtP) content on the SolarSPELL libraries and introduce this content to local refugee communities; conducting impact evaluation and reporting. (61% of \$417,996)	2021-2022
Google exploreCSR: 2 nd year of funding from Google Research funding to host a workshop at ASU introducing undergraduates from underrepresented minority groups to graduate-level study in computer science research. Workshop focus is on doing impactful work through computer science ("computing for good") and to provide two REUs (Research Experiences for Undergraduates) in Summer 2022 (PI: \$29,000)	2021-2022
TensorFlow: Add-on funding (to Google exploreCSR grant above) to support additional outreach activities focused on Machine Learning tools and software, as a hands-on activity for learning during exploreCSR workshop, to widen access to historically marginalized groups in computer science (PI: \$10,000)	2021-2022
Experimental Humanities Collaborative Network (EHCN). Funding to assist with SolarSPELL Build Day and to incorporate discussion of technology and growing inequality vis-à-vis our shared future. (PI: \$2,000)	2021
Arizona Community Foundation (EmpowerKids South Sudan). Gift to support creation of Offline Training Courses to support training on the SolarSPELL Nursing and Midwifery and Biomedical Technology offline digital libraries (PI: \$116,842)	2021
S. Rex & Joan T. Lewis Family Foundation. Gift to support researching and manufacturing prototype of SolarSPELL hardware with recycled plastics and to support creation of educational content (lesson plans, learning modules, etc.) focused on plastics, recycling, and sustainability to add to SolarSPELL offline educational library (PI: \$50,000)	2021
EBSCO. Gift to support SolarSPELL general operations (PI: \$25,000)	2021

Marshall Islands Offline Digital Libraries for Primary Schools. Project to provide SolarSPELL Offline Digital Library to remote, offline Marshall Islands schools in the Kwajalein Atoll (PI: \$56,100)	2021
Arizona Community Foundation (Empower Kids South Sudan). Gift to create libraries and/or carry out SolarSPELL-related projects on: improving the SolarSPELL library user interface; creating a digital version of SolarSPELL's train-the-trainer training; and creating an agricultural library for East Africa (PI: \$212,000)	2020-2021
Google exploreCSR: Google Research funding to host a workshop at ASU introducing undergraduates from underrepresented minority groups to graduate-level study in computer science research. Workshop focus is on doing impactful work through computer science (PI: \$18,000)	2020-2021
Vogel Family Foundation: Gift to support SolarSPELL Refugee Camp School Libraries (PI: \$10,000)	2020
MIT Tprize: Seed funding to bring SolarSPELL to Latin America (PI: \$5,000)	2020
S. Rex & Joan T. Lewis Family Foundation. Gift to support SolarSPELL general operations. (PI: \$50,000)	2020
Krumwiede Lewis Foundation. Gift to support SolarSPELL general operations (PI: \$50,000)	2020
Arizona Community Foundation (Empower Kids South Sudan). Gift to create libraries and/or carry out SolarSPELL-related projects on: a Nursing and Midwifery Library for East Africa; Internship program for Bridge2Rwanda Scholars; a Library localized for Gambela Refugee camp schools in Ethiopia; a Sustainability Research project focused on reusing plastic waste; a digital library for Arizona Tribal areas (PI: \$270,000)	2020
Global Consortium for Sustainability Outcomes (GCSO) to develop sustainability curriculum for Pacific Islands and pilot curriculum and training in Fiji (PI: 47% of \$86,000)	2019-2020
Krumwiede-Lewis Foundation. Gift to enable SolarSPELL work within Arizona, both at Tonto Creek Camp and to initiate collaborative ventures with Tribal Communities (PI: \$15,000)	2019
S. Rex & Joan T. Lewis Family Foundation. Gift to enable field-related activities related to sustaining, deploying and impact-measuring for SolarSPELL digital libraries project. Will also enable launching of SolarSPELL partnership with Tonto Creek Camp in Arizona, as well as travel and training in Vanuatu and Samoa. (PI: \$50,000)	2019
Arizona Community Foundation (Empower Kids South Sudan). Gift to carry out SolarSPELL offline digital library pilot project at three primary schools in Kakuma Refugee Camp, to serve South Sudanese living in Kenyan refugee camp. (PI: \$60,000)	2019
Global Consortium for Sustainability Outcomes Proposal Concept Development grant. Grant to carry out workshop to further develop relationship with consortium partners, and to develop a funding proposal for submission to external agency. (PI: \$10,000)	2018

- Arizona Community Foundation (Empower Kids South Sudan). Grant to establish Juba Girls Schools as SolarSPELL Center of Excellence in Juba, South Sudan. Enables content creation to enhance train-the-trainer model, on-site teacher training, establishment of SolarSPELL Center, and establishment of SolarSPELL student club. Supports two interns to provide ongoing training and support, locally. (PI: \$180,000) 2018-2020
- S. Rex & Joan T. Lewis Family Foundation. Grant to enable field-related activities related to sustaining, deploying and impact-measuring for SolarSPELL digital libraries project. Will also enable launching of SolarSPELL partnership with Camp Tonto Creek in Arizona, as well as travel and training in Vanuatu and Samoa. (PI: \$50,000) 2018
- Arizona Community Foundation (Empower Kids South Sudan). Grant to create East Africa version of SolarSPELL digital library, as well as to provide multiple training workshops on-site in Kigali to multiple constituents: Rwandan Board of Education, Rwandan teachers South Sudanese teachers, Peace Corps volunteers, and Bridge2Rwanda scholars. Grant also funds development of back-end/database for library, Version 1 of East Africa library, and piloting library in up to 60 schools. (PI: \$240,000) 2017-2019
- S. Rex & Joan T. Lewis Family Foundation. Grant to enable field-related activities related to deployment and impact-measurement for SolarSPELL digital libraries project. Will enable travel and training in Vanuatu and Samoa. (PI: \$50,000) 2017
- KEEN Professorship. Mini-grant to develop, implement and disseminate Entrepreneurial Mindset (EM) content within project-based course at ASU (EGR 317 Humanitarian Engineering Projects II and HON 394 Design for the Developing World II). Enabled prototyping for three project-focused teams, establishment of an Ethics Roundtable, and for multiple guest experts and judges to travel and come to the class. (\$12,000) Jan – May 2017
- KEEN Professorship. Received grant second time (\$12,000) Aug – Dec 2017
- KEEN Professorship. Received grant third time (\$22,000) Jan – May 2018
- CPCConnect Grant (funded by Boeing), & Baker & Koob Learn By Doing Grant. SolarSPELL Project. To fund the building of SolarSPELL libraries on Cal Poly's campus and travel for students to carry out training on using the libraries in the Pacific Islands (PI: \$10,000) 2016-2017
- VentureWell (formerly National Collegiate Inventors and Innovators Alliance (NCIIA)) Co-Principal Investigator. Sustainable Vision Grant to promote Entrepreneurship and Innovation among Engineers Without Borders Group and Center for Entrepreneurship and Innovation on Cal Poly's campus (\$10,000) 2015-2016
- Center for Expressive Technologies (CET). Co-Principal Investigator. Digital Storytelling for Community Empowerment at Cal Poly and Beyond. Project to foster engaged, cross-disciplinary collaboration among three Cal Poly Science, Technology and Society (STS) faculty, while enhancing hands-on Learn-By-Doing activities for their students through documentary-style filmmaking, focused on questions of climate change and technology in society and in schools, on-location in Vanuatu and Micronesia. (Co-PI: \$6,000) 2015-2016
- Pacific Telecommunications Council. Principal Investigator. "Solar Powered Digital Library Kit for Remote Pacific Island Schools." To design, develop, and deploy 50 solar powered digital library kits with Peace Corps volunteers across remote, rural, Pacific Island schools. (PI: \$40,000) Jan 2015-Nov-2015

Information Society Innovation Fund Asia (isif.asia). Co-team lead. “Chuuk State Solar Server Educational Hub.” Design & deployment of solar-powered data center in Chuuk, FSM, to meet Department of Education’s digital information needs. (Co-PI: \$30,000) Dec 2013-Dec 2014

United States Agency for International Development (USAID) & ARM, Ltd. “Increasing Community Engagement Through ICT.” Lead Researcher. Fixed Obligation Grant No. AID-OAA-F-13-00071 (Consultant: \$40,000 of \$110,000) Oct 2013-Apr 2014

Information Society Innovation Fund Asia (isif.asia). Co-team lead. “PISCES Project: Pacific Island Schools Connectivity, Education, & Solar Project—Phase II: Project Expansion.” Expanding Solar Computer Labs, Connectivity, & Technical Skills Building to three additional lagoon island schools in Chuuk, FSM (PI: \$30,000) 2013

Internet Society (ISOC) Community Grants Programme and Information Society Innovation Fund Asia (isif.asia). Principal Investigator. “Connecting the Chuuk Women’s Council.” To set up a computer lab in a Women’s Center and initiate training for technology use. (PI: \$8,000) 2013

Google Inc., Pacific Telecommunications Council (PTC), & Internet Society (ISOC). Principal Investigator. “PISCES Project: Pacific Island Schools Connectivity, Education, & Solar Project.” Led team of 11. Designed and carried out Long Distance WiFi and Solar Powering workshop for students from across Northern Pacific islands at University of Guam. Continued work in Chuuk, installing Solar Computer Lab and establishing long-distance connectivity to Udot island in Chuuk lagoon (FSM). (PI: \$85,686) 2012- 2013

IEEE Foundation. Principal Investigator: “Solar Transformation for Haitian Education,” IIT Empowering Haiti. Enabled deployment of 2.4 KW Solar Powering System at Primary School in Lascahobas, Haiti. Led team of 10. (PI: \$17,000) 2011- 2011

Pacific Telecommunications Council. Principal Investigator: “Regional Renewable Energy ICT Policy Assessment Study: Focus on Five Pacific Island Nations: Palau, Guam, Federated States of Micronesia, Fiji, and Vanuatu.” (PI: \$27,500) 2011-2013

Internet Society (ISOC) Community Grants Programme. Principal Investigator: “Connecting the Community of Lascahobas, Haiti to the Internet.” Enabled solar-powered long-distance WiFi deployment to Primary School in Lascahobas, Haiti. Led team of 10. (PI: \$10,000) 2011- 2012

NSF. Consultant, "Human Centered Computing: Information Access, Field Innovation, and Mobile Phone Technologies in Developing Countries," National Science Foundation award IIS-0713074, Philip N. Howard, Principal Investigator (\$10,000) 2008-2010

University of North Carolina McDowell Research Center for Global IT Management Grant. Principal Investigator: Fieldwork research for *Macedonia Connects* project (PI: \$5,000) 2008

Association for Information Systems (AIS)-Microsoft Unlimited Potential Grant. Principal Investigator: Research, monitoring and evaluation issues of ICT-for-development project *EasySeva* in Sri Lanka (PI: \$5,000) 2007-2008

GRANTS APPROVED BUT NOT FUNDED

Department of Defense US Pacific Command (PACOM). Offline Digital Libraries: Education and Training for Disaster Preparedness, Response, and Recovery (Fiji) (PI: \$376,000)

Wallis and Futuna Education Department: To localize (in French language) the SolarSPELL offline digital library for Wallis and Futuna, providing local teacher and train-the-trainer training and conducting impact evaluation (PI: \$230,000)

GRANTS SUBMITTED BUT NOT FUNDED

Google Academic Research Awards. Society-centered AI. Proposal to use AI to build internet-readiness and information literacy in offline communities globally via SolarSPELL digital libraries. (PI: 100% of \$100,000) Jul 2024

Estonian Development Agency, in partnership with Estonian Business School. To bring SolarSPELL Education Libraries to Botswana, working in partnership with Peace Corps and Ministry of Education, Botswana (45% of \$100,000) Feb 2024

Carbon Trust: Powering Renewable Energy Opportunities (PREO) Grant. Proposal to fund localizing and introducing SolarSPELL libraries to three primary schools in Botswana, to accompany overall solar-powering of the schools. Co-applicants: dpSun (solar powering company) and Botswana International University of Science and Technology (\$53,000 of \$85,000) Feb 2024

USAID Development Innovation Ventures Grant (Stage 2: Test and Position for Scale). Empowering Communities in Southern Africa through Information Literacy. To build digital and information literacy, working in partnership with Peace Corps, in Education, Health, and Agriculture Sectors across 3 Sub-Saharan Countries over 3 years, utilizing the SolarSPELL offline digital library. (Principal Investigator: 75% of \$1,500,000) 2024-2026

Google Research AIR (Advancing Inclusive Research): Award for research project to investigate whether AI can be used to increase representation and inclusiveness in Wikipedia for the billions around the world that remain offline, and if so, to create additional versions of Wikipedia for Schools, localized for offline SolarSPELL users globally. (Principal Investigator: 100% of \$60,000) 2023-2024

The Agency Fund. Proposal to fund expansion of SolarSPELL Health library to all rural clinics across Malawi, working with the Kamuzu University of Health Sciences (KUHeS) and to study and measure the impact for nursing students. (Co-PI: 50% of \$247,289) 2024-2026

ASU AI Seed Grant Challenge: Planning and Convening Grant. Harnessing AI to build libraries and information literacy skills globally: AI for SolarSPELL. (\$10,000) 2023-2024

AZ Blue (Blue Cross Blue Shield of Arizona Foundation for Community and Health Advancement) Health Equity Project: Equipping Hopi patient navigators with offline digital health libraries to support cancer services. (Principal Investigator: 100% of \$45,000) 2023

Conservation, Food, and Health Foundation. Introducing Conservation Agriculture in the Imvepi Refugee Camp (Uganda) with the SolarSPELL digital library. (Principal Investigator: 100% of \$49,500) 2023

USAID Development Innovation Ventures Grant (Stage 2: Test and Position for Scale). To build information literacy and digital literacy, working in partnership with Peace Corps, in Education, Health, and Agriculture Sectors across 3 Sub-Saharan Countries over 3 years, utilizing the SolarSPELL offline digital library. (Principal Investigator: 100% of \$1,500,000)	2023
Agency Fund Social Impact Fellowship. Program to help ambitious social innovators scale their impact. (Mentorship, 8-week intensive curriculum, + \$70,000 investment)	2022
Fast Forward 2023 Startup Accelerator. Program to help tech non-profits scale up. (Mentorship + \$25,000)	2022
USAID Development Innovation Ventures Grant (Stage 3: Transitioning to Scale). To build information literacy and digital literacy, working in partnership with Peace Corps, in Education, Health, and Agriculture Sectors across 13 Sub-Saharan Countries over 3 years, utilizing the SolarSPELL offline digital library. (PI: \$15,000,000)	2021
Google Research AIR (Advancing Inclusive Research): Award to utilize qualitative methodology to explore students' perceptions of inclusion, collaboration, effectiveness, and overall value of participating in exploreCSR "computing for good" workshop aimed at exposing historically underrepresented students to computer science research (workshop itself <i>was</i> sponsored by Google Research). (Principal Investigator: 100% of \$60,000)	2021-2022
Google.org Impact Prize: Funds to develop Thunderbird for Good's Women's Entrepreneurship program: Dreambuilder, for use offline on the SolarSPELL digital library in Peru, Chile, and Arizona. Advanced to third round of competition, representing top 1% of applicants. (Principal Investigator: 50% of \$2,000,000)	2021-2022
Fred Morgan Kirby Impact Prize for Scaling Social Impact: Prize to support most innovative start-up, for operational costs (PI: 100% of 100,000)	2021
NetGain Small Grants Fund to advance the public interest in the digital age. Proposal to build information literacy and digital literacy skills offline, in order to counter misinformation globally, particularly among new and nascent internet users. (PI: 100% of 100,000)	2021
ASU Women and Philanthropy Grant Application: Grant to fund finalization and in-field implementation of SolarSPELL Biomedical Engineering Technician (BMET) Library. Advanced to Final Round, top 10% of proposals. Principal Investigator: 100% of \$99,000)	2020-2021
Creating Hope In Conflict: A Humanitarian Grand Challenge: Grant to fund finalization and in-field implementation of SolarSPELL Nursing and Midwifery Library in South Sudan (PI: 100% of \$185,000)	2020-2021
Audacious Project: Proposal to fund scaling SolarSPELL to 30 Peace Corps countries in 5 years. (PI: 100% of \$15.5 Million) Application made it to Round 2, representing top 10% of proposals.	2020
Fast Forward 2021 Startup Accelerator. Program to help tech non-profits scale up. (Mentorship + \$25,000)	2020

Fred Morgan Kirby Impact Prize for Scaling Social Impact: Prize to support most innovative start-up, for operational costs (PI: 100% of 100,000)	2020
Women in Global Health: Build Back Better Start-Up Innovation Challenge, entered Nursing and Midwifery Library (PI: 100% of \$10,000)	2020
Alfred P. Sloan Foundation: Proposal to fund Wikipedia for Schools Development and maintenance at ASU, for use by SolarSPELL and all other offline digital libraries (PI, 100% of \$490,000)	2020
Creating Hope in Conflict: A Humanitarian Grand Challenge (Pooled funding from Grand Challenges Canada, USAID, UKAID, and Netherlands Foreign Affairs) SolarSPELL Health Libraries in South Sudan. Principal Investigator: 100% of \$250,000 CAD)	2019
Coca Cola Foundation. Submitted proposal (through ASUF) for Coca Cola to fund SolarSPELL general operating costs (Principal Investigator: 100% of \$216,230)	2019
New Earth Foundation. Submitted proposal (through ASUF) for general operating costs (Principal Investigator: 100% of \$100,000)	2019
DRK Foundation. Submitted proposal (through ASUF) for funding consideration.	2019
Expo Dubai 2020. Submitted proposal (through ASUF) for share of \$100,000	2019
Misk Grand Challenge to bring SolarSPELL to Palau and pilot new teaching methods (100% of \$100,000)	2018
Global Consortium for Sustainability Outcomes (GCSO) to develop sustainability curriculum for Pacific Islands and pilot curriculum and training in Fiji (90% of \$125,000)	2018
Cisco Global Problem Solver Challenge (Indeterminate Amount)	2018
Sign On for Literacy Challenge (100% of \$25,000 prize)	2018
Vodafone Wireless Innovation Project: ASU Education for Humanity: Powered by SolarSPELL (60% of \$300,000)	2018
NSF ChangeMakers: Cultivating Culturally Engaged Undergraduate Chief Science Officers. Co-Pi. (2.5% of \$1.8M)	2017
LYRASIS Catalyst Grant. DL4D: Digital Libraries for Development (100% of \$40,000)	2017
Pacific Telecommunications Council. SolarSPELL: Expanding Access to Libraries at Remote Pacific Island Schools with the Solar Powered Educational Learning Library. (100% of 40,000)	2015-2016
Elsevier Grant for Innovative Libraries in Developing Countries. Modernizing, Digitizing, and Opening a regional library at the EFACAP school in Lascahobas, Haiti. (100% of \$37,000)	2012

GRANTS SUBMITTED AND UNDER REVIEW

**PUBLIC OUTREACH & ENGAGEMENT:
SOLARSPELL-RELATED WORKSHOPS, TRAININGS, TRAVEL, BUILD DAYS, & DEMO'S**

SolarSPELL Training for Peace Corps Volunteers & Local Teachers. Organized and led 1-3 day trainings for Peace Corps Volunteers and their local counterparts on how to use, introduce, and teach with and about the SolarSPELL Digital Library. ****Brought Undergraduate Students along on most of these trips, following a project-based semester class. On ALL such trips I lined up additional educational activities, political, public & private sector meetings, & partnered work with local cultural organizations to maximize students' experience.****

Lesotho	Jan 2023, Jul 2023, Jan 2024, Jul 2024, Jan 2025
Fiji	Jul 2018, Aug 2019
Comoros	Sep 2018, Sep 2019, Dec 2019
Rwanda	Mar 2018
Tonga	Dec 2016
Samoa	Jun 2016, May 2017, May 2018
Federated States of Micronesia (FSM)	Aug 2015, July 2016, July 2017
Vanuatu	Sep 2015, May 2017, Oct 2018, Oct 2019, Sep 2025
Chuuk State, FSM (for Chuuk DoE Employees)	Nov 2015

Other In-Person SolarSPELL Train-the-Trainer Trainings. Organized and led 2-5 day trainings on how to use, introduce, and teach others to use the SolarSPELL offline digital library. ****Brought ASU Students, faculty, and staff along on most all of these trips. On ALL such trips, lined up additional educational activities, political, public & private sector meetings, & partnered work with local organizations.****

South Sudan	Jul 2025
Training on the Conservation Agriculture Library, In-Field Partner: Empower Farmers South Sudan	
Hopi Reservation, Arizona	Feb 2024
Training on the Health Library, In-Field Partner: Hopi Women's Cancer Support Services Center	
Rwanda	Jan 2024, Nov 2024
Training on the Agriculture Library, In-Field Partner: Bridge2Rwanda Farms	
Malawi	Jan 2023
Training on Health Library, In-Field Partners: Peace Corps Response & Kamuzu University of Health Sciences	
Zimbabwe	Mar 2023
Training on Agriculture Library, In-Field Partner: Foundations for Farming	
NE Syria – Training held on ASU Tempe Campus	Apr 2023
Training on the Arabic- and Kurdish-language Education Library. In-field Partner: Autonomous Administration of NE Syria (AANES).	

SolarSPELL Remote Train-the-Trainer Training. Full day Zoom-enabled trainings with Teacher-Trainers on how to use, introduce, and train others to use and teach with the SolarSPELL offline

digital library. Long-term training scaffolded and supported through SolarSPELL Offline Training Course (OTC).

Gambella & Assosa Refugee Camps, Ethiopia
Kwajalein, Marshall Islands

Mar 2022
Aug 2021

SolarSPELL Appropriate Technology Workshop and Build Day. Organized and led on-campus workshop for students (and university faculty, staff, community members, and high-school students in some cases) on appropriate technologies for the developing world, *and* built SolarSPELL digital libraries

Arizona State University, Tempe Campus: <u>Built 50 libraries</u>	Oct 2024
Arizona State University, Poly Campus: <u>Built 50 libraries</u> (during COVID)	Nov 2021
Arizona State University, Poly Campus: <u>Built 60 libraries</u> (during COVID)	Mar 2021
Arizona State University, Poly Campus: <u>Built 25 libraries</u> (during COVID)	Nov 2020
Arizona State University, Poly Campus: <u>Built 75 libraries.</u>	Nov 2019
ASU, EMERGE Festival, Tempe Campus: <u>Built 60 libraries.</u>	Mar 2019
Arizona State University, Poly Campus: <u>Built 75 libraries.</u>	Nov 2018
Arizona State University, Poly Campus: <u>Built 75 libraries.</u>	Apr 2018
Arizona State University, Poly Campus: <u>Built 150 libraries.</u> Included high school students from ASU Prep, and East African Bridge2Rwanda Scholars	Oct 2017
Arizona State University, Poly Campus: <u>Built 100 libraries.</u> Included high school students from ASU Prep	Apr 2017
Cal Poly, San Luis Obispo, CA: <u>Built 50 libraries.</u> Included students from classes in multiple disciplines, ranging from Liberal Arts and Engineering Studies, to English.	May 2016
Cal Poly, San Luis Obispo, CA: <u>Built 30 libraries.</u> Co-Hosted with Engineers Without Borders and VentureWell	Oct 2015

Information Literacy and/or Content Curation Workshop

Data-Thon (entering data collected from library users in-field). Invitees were CITI-trained ASU students	Mar 2024
Content Curate-a-thon. Invitees included Phoenix-area Returned Peace Corps Volunteers and ASU Peace Corps Prep students	Nov 2023
Content Curate-a-thon for Spanish language collection and Agriculture collection. Invitees included Phoenix-area Returned Peace Corps Volunteers and ASU Peace Corps Prep students	Nov 2022
Content Curate-a-thon Workshop for Arabic Language SolarSPELL library with graduate students from King Abdullah University of Science and Technology (Saudi Arabia) visiting the ASU Tempe Campus	June 2022
Curate-a-thon workshop for Upward Bound high school students, Tempe	June 2022
Content Curate-a-thon Workshop for Arabic Language SolarSPELL library (ASU Tempe Campus)	Mar 2022
Content Curation workshop for graduate students at Tec de Monterrey (MX) for curation of Spanish Language Library/Mexico Version (held digitally, over Zoom)	Nov 2020
One-day content curation workshop for ASU students, Tempe Campus (25 attendees)	Mar 2018
Organized and executed a team-led 5-day training workshop for 37 Bridge2Rwanda scholars on information literacy, scholarly research, copyright, and content curation. Included three ASU students and two ASU librarians.	
Kabuga, Rwanda	Jan 2018

SolarSPELL & Library Lab Training

Organized and executed a team-led 2-day training workshop for teachers and administrators from Rwanda and South Sudan on both the SolarSPELL digital library and the Solar Library Lab. Included three ASU students and two ASU librarians.
Kabuga, Rwanda Jan 2018

On-Site SolarSPELL Build Days

Port Vila, Vanuatu (Featured Hands-On Activity at National ICT Days Conference) May 2017
Nuku'alofa, Tonga Dec 2016

Organized Digital Storytelling Workshop for Creating Content for SolarSPELL

One-Day Workshop at University of Auckland, Auckland NZ Dec 2016
Two-Day Workshop with Further Arts Cultural Organization, Nuku'alofa Tonga Dec 2016

Organized & Co-Hosted Hackathon for SolarSPELL with Hayden Libraries. Workshop with 14 librarians, five students, and one faculty member, to fast-track Content, Curation, and Back-End Website work on SolarSPELL Oct 2016

Public Outreach: Booths or Display Tables with Demos & Live Explanations

--UNESCO & African Union Continental Conference: Transforming Science, Technology, Engineering and Mathematics. STEM Experience Hub during entire 3-day event. Addis Ababa, Ethiopia Nov 2024
--Conscious Marketplace. Demonstration table at Opportunity Collaboration Conference, Ixtapa, Mexico Oct 2024
--Digital Festival Tahiti. Demonstrated SolarSPELL library (in French) during entire 3-day conference showcasing technology designed to improve quality of life in remote island settings. Papeete, French Polynesia Oct 2019
--International Conference of Indigenous Archives, Libraries, and Museums (ATALM). Temecula, California. Demonstration booth during entire 3-day conference. Oct 2019
--US Global Leadership Coalition Expo, Phoenix AZ May 2019
--Sustainability Solutions Celebration, Phoenix AZ Feb 2018
--Pacific Education Conference, Palau Jul 2017
--Society for International Development, Washington DC May 2017, May 2019
--ASU Night of the Open Door (with School of Earth and Space Exploration) Feb 2017
--ASU Day at the Capitol Feb 2017, Feb 2018
--Learning Innovation Showcase, ASU Jan 2017
--Innovation Showcase, ASU (Poly Campus) Dec 2016, Apr 2017, Dec 2017
--Homecoming, ASU Oct 2016
--President's Forum, ASU Oct 2016
--Engineering Expo, Cal Poly May 2015
--Booth at San Luis Obispo Maker Faire, Cal Poly April 2015

CONFERENCE PRESENTATIONS & INVITED TALKS

SolarSPELL Offline Digital Libraries: Access Anywhere, Learn Everywhere. Invited talk at Arizona Library Association Professional Development Webinar Series. Nov 2025

SolarSPELL digital libraries: Taking an offline-first approach to keep students safe, focused, and STEMmed up! mEducation Alliance STEMtastic Adventures with Young Pacific Leaders, Nadi, Fiji (in-person). Sep 2025

Keeping students safe, focused, and STEM-med up: offline digital libraries to meet this immediate need. mEducation Alliance STEMtastic Adventures Africa conference, Nairobi, Kenya (in-person). Jul 2025

Offline AI?? Why, yes! How principled innovation can reach billions. FOLC (Future of Learning Community) Fest. Tempe, Arizona State University (in-person). Feb 2025

Equitable access to STEM resources: How can we provide quality, culturally and linguistically relevant STEM resources that align with 21st-century workforce needs? Focus on the SolarSPELL Initiative. UNESCO & African Union Continental Conference: Transforming Science, Technology, Engineering and Mathematics. Addis Ababa, Ethiopia (in-person). Nov 2024

SolarSPELL Health Libraries for Nursing Students in Malawi. Oral abstract presentation at Consortium of Universities for Global Health Annual Conference. Only 63 abstracts out of 1030 submitted were selected for oral presentation. Los Angeles (in person). Mar 2024

Impact of SolarSPELL health library access and use for nursing students in Malawi: Preliminary findings. Invited presentation to National Human Resources for Health Technical Working Group meeting, Lilongwe, Malawi (in-person). Jul 2023

Project-based classes for real-world impact: SolarSPELL and SolarSENSE. Rwanda Institute for Conservation Agriculture (RICA). Nyamata, Rwanda (in-person). Nov 2022

SolarSPELL Agriculture Library and promoting economic inclusion for smallholder farmers. Digital Innovations for Economic Inclusion Working Group, BRAC and socialprotection.org Online presentation to global audience. Oct 2022

SolarSPELL: foundational skills, eco-friendly solutions, and innovative education technology. Invited talk at USAID Education Sector Council. Online presentation to global audience. July 2022

New Technology in Developing Countries. Invited talk at Global Challenges of Media in the 21st Century Series. University of Southern California Global Policy Institute. Online. Mar 2022

Islands in the Stream: Providing access and building information skills in and among the diverse island societies of the Pacific. IEEE Summit on Communications Futures. Virtual and Honolulu, HI Jan 2022

SolarSPELL: Invited talk at CARE International Digital Innovation Talks. Online talk to Global CARE staff. Jan 2022

Gender and climate security in the Indo-Pacific: How an offline digital library can inform, build skills, and empower. Invited talk at the Pacific Forum: Advancing Women, Peace and Security in the Indo-Pacific. Online talk to online and in-person audience. Sep 2021

SolarSPELL case study illustrating scaling up. Invited talk at USAID-organized Session: Development, Research, and Innovation Virtual Engagements (DRIVE) Convening. Online talk. Sep 2021

Digitally empowering women and girls, offline. WomenConnect Challenge Steps to Success
Series: Getting to the Core of Actionable Ways to Close the Gender Digital Divide: Cultivating
Women's Confidence. USAID Digital Frontiers Series talk. May 2021

The SolarSPELL Initiative at ASU and involving Lifelong Learners. Invited talk (in-person) at Mirabella
at ASU Apr 2021

La historia y los antecedentes de SolarSPELL (talk given in Spanish) Líderes del mañana conferencia,
Instituto Tecnológico y de Estudios Superiores de Monterrey Mar 2021

When Offline is Better than Online / "Offline Internet." Invited talk at GigLibraries.net "Libraries in
Recovery" series. Feb 2021

Overview of the SolarSPELL initiative. Invited talk at the Department of Education, Instituto
Tecnológico y de Estudios Superiores de Monterrey Sep 2020

Technology and Innovation Policy for Island Sustainability: SolarSPELL in Fiji. Invited talk at University
of Delaware, Biden School of Public Policy and Administration's Island Policy Lab & United
Nations Universities Consortium of Small Island States Sep 2020

Inventing the SolarSPELL Digital Library: Focus on Challenges, Successes, and Sustainability. Rob &
Melani Walton Sustainability Solutions Service Virtual Sustainability Solutions Innovation Fair.
Jun 2020

L'Inclusion Numérique au Service de l'Insertion Professionnelle. Invited talk (in French) at Digital
Festival Tahiti. Papeete, Tahiti Oct 2019

SolarSPELL: A Localized Digital Library for Remote, Offline Locations. International Conference of
Indigenous Archives, Libraries, and Museums. Temecula, CA Oct 2019

Why Offline Technologies Provide Better Solutions for Global Education. Engineering for Change (E4C)
Invited webinar Jul 2019

We Don't Need No Stinkin' Internet: Taking it All Offline with SolarSPELL. CSPO 20th Anniversary
Conference: Rightful Place of Science-2. Tempe, AZ May 2019

Improving Educational Opportunities in Remote Pacific Islands—The SolarSPELL Digital Library.
Invited talk at the East-West Center, Honolulu, HI Mar 2019

The Offline Internet and SolarSPELL. Invited talk at the UNESCO Panel at World Library and
Information Congress 84th IFLA General Conference and Assembly, Kuala Lumpur, Malaysia
Aug 2018

The SolarSPELL Offline Digital Library. Paper presented at World Library and Information Congress
84th IFLA General Conference and Assembly, Kuala Lumpur, Malaysia Aug 2018

The SolarSPELL digital library in the Pacific Islands. Invited talk at the University of the South Pacific,
Suva, Fiji Dec 2017

Innovating and Iterating From the Field: Technology for Development. Invited talk at the Consortium for Science, Policy, & Outcomes (CSPO) at Arizona State University, Washington DC Nov 2017

SolarSPELL: The Solar Powered Educational Learning Library.
Invited talk at Peace Corps Headquarters, Washington DC Nov 2017
Invited talk at State Department Cultural Affairs Unit, Washington DC Nov 2017

Challenges and Opportunities for Delivering and Using Open Access Materials in Developing Countries. 14th Annual Open Education Conference, Anaheim, CA Oct 2017

Developing Partner Networks to Improve Library Access. 30th Pacific Education Conference, Koror, Palau Jul 2017

Social Development and the SolarSPELL Digital Library. Invited Keynote Speaker at ICT Days Conference and Invited Panel Member at co-located Internet Governance Forum Meeting. Port Vila, Vanuatu May, 2017

SolarSPELL: Solar Powered Educational Learning Library. Invited talk to MIT Program on Information Science speaker series. Cambridge, MA April 2017

Innovating and Iterating from the Field: The SolarSPELL Digital Library. Engineering Education Seminar Series, ASU Polytechnic School March 2017

Becoming a Practitioner-Scholar in Technology for Development. School for the Future of Innovation in Society (SFIS) Winter School, ASU, Mesa AZ Jan 2017

Addressing ICT-in-Education Challenges in Small Island Developing States (SIDS) as a Practitioner-Scholar. Pacific Telecommunications Council (PTC) 39th Annual Conference, Honolulu HI Jan 2017

Quick Impact: An on-campus “Build Day” to increase awareness, involvement, and understanding at the global level. VentureWell OPEN 20th Annual conference, Portland OR March 2016

Design, Develop, Deploy: The Solar Digital Library Kit for Remote Pacific Island Schools. Inaugural Making and Doing Initiative. 4S: Society for Social Studies of Science Annual Conference, Denver, CO Nov 2015

PTC Community Grants Recipient Project Presentation: Solar Powered Digital Library Kits for Remote Pacific Island Schools. Pacific Telecommunications Council (PTC) 38th Annual Conference, Honolulu HI Jan 2016

SPELL: Solar Powered Educational Learning Library.
Open Lecture, Department of Computer and Systems Science, Stockholm Univ. Dec 2015
Cal Poly Kennedy Library Open Access Week 2015 Oct 2015
Cal Poly Political Science Alumni Board Meeting, Cal Poly San Luis Obispo Oct 2015
OLPC SF Community Meeting, San Francisco State University, San Francisco May 2015

Solar Powered Digital Library Kits for Pacific Island Schools: Hands-On Projects in Liberal Arts and Engineering Studies (LAES). More Than a Motto Conference, Poster Presentation. Cal Poly San Luis Obispo, CA May 2015

Internet for Development: Interactions, Practices, and Lessons Learned. Spider Consultation for the World Bank Development Report 2016, Stockholm, Sweden April 2015

Building Boundary-less Classrooms: A View From the Field—Our Micronesia Experience. Invited Keynote, Asian Development Bank ICT Week Conference, Manila, Philippines Oct 2014

Emerging Markets: Top ICT4D Hardware Challenges.
Invited Webinar. Engineering for Change (E4C). Sept 2014
IEEE Global Humanitarian Technology Conference, San Jose, CA Oct 2014
Pacific Telecommunications Council (PTC) 37th Annual Conference, Honolulu HI Jan 2015

Student Creativity Inside and Outside the Classroom. Invited Panel. Infrastructures of Creativity Conference, Illinois Institute of Technology, Chicago IL April 2014

Technology in Developing World Schools: Promising Possibilities and Potential Pitfalls. Invited Talk, California Polytechnic State University, San Luis Obispo, CA April 2014

The Centrality of Electricity for Internet Uptake in Low-Income Countries. (Received Best Paper Award: Meheroo Jussawalla Research Paper Prize) Pacific Telecommunications Conference (PTC) 36th Annual Conference, Honolulu, HI Jan 2014
IEEE Global Humanitarian Technology Conference, San Jose, CA Oct 2014

Teaching ICTD – Courses, Degree Programs, and Student Field Experiences
PISCES Pacific Offline Educational Server Demo
Both: ICTD 2013 conference, Cape Town, South Africa Dec 2013

Towards a greater openness – Opportunities and challenges in open online education and open access. E-Learning Africa Conference. Windhoek, Namibia May 2013

Energy as an overlooked driver of ICT uptake across the developing world. International Studies Association 54th Annual Conference, San Francisco, CA April 2013

PISCES Project: Pacific Island Schools, Connectivity, Education and Solar Project.
Invited presentation at University of California, Berkeley, Center for Information Technology research in the Interest of Society (CITRIS) Research Exchange March 2013
Pacific Telecommunications Council (PTC) 35th Annual Conference, Honolulu Jan 2013
PacINET 10th Annual Conference of the Pacific Islands Internet Society.
University of the South Pacific, Suva, Fiji Nov 2012

Technology for Development: Why Training Trumps Technology. School of International Relations
Director's Lecture on Theory and Practice, University of Southern California Sept 2012

PISCES Project: Pacific Island Schools, Connectivity, Education and Solar Project.
Invited presentation at Asian Development Bank Sept 2012
Invited presentation at University of Colorado, Boulder, ATLAS Institute Sept 2012
Invited presentation to Engineers Without Borders (EWB), IIT Sept 2012

Learning Lessons and Moving Forward in ICT4D Projects. Spider ICT4D Seminar Series, University of Stockholm, Sweden May 2012

Beyond the Design: Why the Ecosystem Matters in Technology for the Developing World. Invited Talk at the Institute of Design, Illinois Institute of Technology, Chicago IL April 2012

The Prospects for Small Island Nations to Participate in the Global Information Age. International Studies Association 53rd Annual Conference, San Diego, CA April 2012

Sharing Best Practices in ICTD Academic Programs. Fifth International Conference on Information and Communication Technologies and Development (ICTD2012), Atlanta, GA March 2012

Utilizing Classroom Experiences to Make an Impact in the Developing World: IIT Empowering Haiti. National Collegiate Inventors and Innovators Association 16th Annual Open 2012 Conference, San Francisco, CA March 2012

The Energy Issue is Slowing ICT4D in Island Nations – Will Renewable Energy be the Answer? Public-Private Partnership Innovations in ICT: The Role for Academia. Renewable Regional Energy, ICT, & Data Center Assessment: Focus on Five Pacific Island Nations All: Pacific Telecommunications Council (PTC) 34th Annual Conference, Honolulu Jan 2012

Green Cloud Computing in Developing Regions: Moving Data and Processing Closer to the End User. International Telecommunications Union (ITU) WT11 Technical Symposium at ITU Telecom World, Geneva, Switzerland Oct 2011

It Takes a Team: Solar PV Installation in Lascahobas, Haiti to Power 400+ OLPC XO Laptops. OLPC Community Summit, San Francisco Oct 2011

One Laptop per Child, Solar-Based WiFi and the Complexities of ICT for Development. Invited Talk: ATLAS Institute, University of Colorado at Boulder. Available at: <http://www.youtube.com/watch?v=YDSB0HlhDwA> Sept 2011

Technology for Development: No Shortcuts. TedxIIT conference. Available at: <http://www.youtube.com/watch?v=FKTxUA0bCI0> March 2011

Solar-Powered Data Centers for Developing Regions: Small is Beautiful, Again. Pacific Telecommunications Council (PTC) 33rd Annual Conference, Honolulu, HI Jan 2011

One Laptop per Child (OLPC) in Papua New Guinea and the Solomon Islands: Reflections from Four Site Visits. PTC 33rd Annual Conference, Honolulu, HI Jan 2011

Technology, Teachers, and Training: Combining Theory with Macedonia's Experience. Information & Communications Technology for Development (ICTD), London, England Dec 2010

Creating a Culture of use in ICT in Education and Development Projects: The Case of Macedonia. American Political Science Association Annual Meeting, Washington DC Sept 2010

Implementing Policy at the Classroom Level: Macedonia's Experience with Training Teachers for a Technology-in-the-Schools Initiative. Midwest Political Science Association Annual Meeting, Chicago, IL April 2010

- Technology, Teachers, and Training: Combining Theory with Macedonia's Experience. International Studies Association 51st Annual Conference, New Orleans, LA Feb 2010
- Public-Private Partnership Innovations in ICT. Pacific Telecommunications Council 32nd Annual Conference, Honolulu, HI Jan 2010
- Promoting Social Inclusion through a Nation-Wide ICT-in-Education Endeavor: Macedonia Connects. Global Information Technology Management Association (GITMA) 10th Annual Conference, Mexico City, Mexico June 2009
- Creating a Culture of Use in ICT in Education and Development Projects: The Case of Macedonia. International Studies Association 50th Annual Convention, New York, NY Feb 2009
- Partnerships for Scalable and Sustainable ICT Projects: *EasySeva* in Sri Lanka. International Studies Association 50th Annual Convention, New York, NY Feb 2009
- Development Issues: Models of ICT Sustainability in Developing Regions. Measurement Considerations and Success Factors. Pacific Telecommunications Council (PTC) 31st Annual Conference, Honolulu, HI Jan 2009
- Technology in the Classroom in Conditions of Infrastructural and Capacity Constraints: Lessons from Uganda. ICIS 2008 1st Annual SIG GLOBDEV Workshop, Paris, France Dec 2008
- Promoting Social Inclusion through a Nation-Wide ICT-in-Education Endeavor: The Case of *Macedonia Connects*. ICIS 2008 Pre-Conference Development Workshop, Paris, France Dec 2008
- A Pilot Takes Off: Examining Sustainability and Scalability in the Context of a Sri Lankan Public-Private Partnership Telecenter Project ACIS 2008 Christchurch, New Zealand Dec 2008
- Promoting Mobile Phone Usage in Africa: the promise and challenge of Top-down/Bottom up Innovation. Global Mobility Roundtable 2008, Auckland, New Zealand Nov 2008
- Exploring the Role of Partnerships for Sustainable ICT Projects to Bridge the Digital Divide. American Political Science Association 104th Annual Meeting, Boston, MA Aug 2008
- The Challenges Facing African Governments in Adopting ICT Technologies: Focus on Education. International Studies Association 49th Annual Convention, San Francisco, CA March 2008
- Corporate Social Responsibility and Bridging the Digital Divide: Can Divergent Motivations Peacefully Co-Exist? ISA-West Annual Convention, San Francisco, CA Sept 2007
- Africa and the M-Society: The Challenges of Joining the Information Revolution. 6th Annual Global Mobility Roundtable, Los Angeles, CA June 2007
- Public Private Partnerships and the Prospects for Sustainable ICT projects in the Developing World. 6th Annual Global Mobility Roundtable, Los Angeles, CA June 2007
- Bridging the Digital Divide: Human Empowerment or Increased Market Share? How Can Divergent Motivations Peacefully Co-Exist? International Studies Association 48th Annual Convention, Chicago, IL March 2007

Jumpstarting Growth with ICTs in the Developing World: Is Corporate Involvement the Panacea? 34th
Research Conference on Communication, Information and Internet Policy, Telecommunication
Policy Research Conference (TPRC). George Mason University, Arlington, VA Sept 2006

Dividing the Oils: Corporations, Petroleum-Rich States, the Development Interface and the Prospects for
Learning. The 2005 Middle East & Central Asia Politics, Economics and Society Conference,
Salt Lake City, Utah Oct 2005

Power Without Responsibility: Problematizing the Role of Multinational Corporations in Situations of
Political Violence. Women in International Security (WIIS) Symposium, Washington D.C.
July 2004

TEACHING EXPERIENCE

Courses Taught, Arizona State University:

Global Technology and Development (GTD 501) F 2017, F 2021, F 2022 (in-person)
F 2018, F 2019 (online)
F 2020 (ASU Sync—in-person & online)
F 2024 (in-person)

Introductory grad-level course introduces students to field and study of global development with
an emphasis on the variable of technology and the major role it has played in the history of human
development. Provides background and context for examining role of technology from economic
and social development perspectives. Core course in M.S. in Global Technology and Development
program.

Humanitarian Engineering Projects I (EGR 307) [Standalone course] F 2020, F 2021, F 2022
Team-based, challenge-focused lab course enabling students to work on a real-world project
taking place “in the field.” Course focuses on multiple projects.

Humanitarian Engineering Projects II (EGR 317) [Standalone course] Sp 2021, Sp 2022, Sp 2023
Team-based, challenge-focused lab course enabling students to work on a real-world project
taking place “in the field.” Course focused on one project.

Engineering in Global Development (EGR 598) F 2021, Sp 2022, F 2022, Sp 2023
Team-based, challenge-focused lab course enabling students to work on a real-world project
taking place “in the field.” Course focuses on multiple projects. Graduate students are expected to
serve as team leaders on teams that include undergrads.
Project based course focused on TinyML (tiny machine learning), a form of offline artificial
intelligence (AI), for use on in-field solar powered soil sensors, to give actionable, real-time
feedback to farmers on the status of their soil, all offline. F 2024, Sp 2025

Innovation in Action (FIS 494/GTD 598/HSD 598) F 2019
Course offered multiple opportunities: graduate students had opportunity to mentor undergraduate
teams in Humanitarian Engineering Course/GlobalRESOLVE course, or could choose individual
or grad-level team project to which to continue.

Humanitarian Engineering Projects I or II (EGR 307 or 317) & GlobalResolve: Design for
the Developing World Projects II (HON 394) [Combined Engineering & Honors Course]
Sp 2017, Sp 2018, Sp 2019

F 2018, F 2019

Team-based, challenge-focused / project-based lab course enabling students to work on a real-world project taking place “in the field.” Multiple projects ran simultaneously; students chose one. Each project featured one mentor who met with teams on weekly basis. Lead instructor coordinated all teams and mentors. All students were given opportunity to travel to field to implement their work.

Technology & Society (FIS 201)

F 2016

Why we get the technologies that we do, and who decides. What innovation is, and why some innovations succeed while others fail. How technology affects society, and vice-versa. Core course in Future of Innovation in Society undergraduate program.

Courses Mentored, not for teaching credit, Arizona State University

Learning Sciences Proseminar (LSE 591)

F 2023

This course offered a project-based, team-based approach to teaching and learning. It is the required seminar course for both first- and second-year master’s students enrolled in the Learning Sciences Master’s program in the Mary Lou Fulton Teacher’s College. In Fall 2023, SolarSPELL was the “client” for all five student teams, and each focused on a different aspect of the SolarSPELL initiative as their real-world project. Met regularly with students for office hours, question-and-answer time, presentations, and class.

Innovation in Action (GTD 598)

Su 2020, Su 2021, Su 2022

This course offers hands on experience building and curating content for SolarSPELL, a digital library that is being implemented around the world, providing access to information for resource-constrained communities that lack internet access. There will be a theoretical and conceptual underpinning as well that connects access to information to education, socioeconomic development, and to the Sustainable Development Goals. With some reading material and written assignments, most of the course will focus on localized, culturally relevant content creation and class discussions. Students specifically focused on curating content for offline Wikipedia for Schools.

Innovation Space/Innovation Space Studio (ENT 494/GRA 494/IND 494/SOS 494)

Sp 2020

Focused, single semester immersion course for students to experience a transdisciplinary team environment and become a leader of innovation in terms of skills and mindset. Multidisciplinary team-based class with industrial design, visual communication design, engineering, business, and sustainability majors. SolarSPELL was one of two featured projects.

Humanitarian Engineering Projects I or II (EGR 307 or 317) & GlobalResolve: Design for the Developing World Projects II (HON 394) [Combined Engineering & Honors Course]

Sp 2020

F 2016, F 2017

Team-based, challenge-focused / project-based lab course enabling students to work on a real-world project taking place “in the field.” Multiple projects ran simultaneously; students chose one. Each project featured one mentor who met with teams on weekly basis. Lead instructor coordinated all teams and mentors. All students were given opportunity to travel to field to implement their work.

Courses Taught, California Polytechnic State University:

Technology & Public Policy (POLS 451) F 2014, F 2015

Research Design (POLS 359) F 2014, W 2015, S 2015, F 2015, S 2016

Regulatory & Economic Policy (POLS 550) W 2015, W 2016

Global Synthesis in Liberal Arts and Engineering Studies (LAES 411) S 2015, W 2016

SPELL Solar Digital Library.

Multidisciplinary team-based, project-based course focused on designing, developing, and deploying an offline solar-powered digital library for remote, rural Pacific Island schools without electricity or connectivity. Also built website loaded with open-access educational content specifically curated for the Pacific Islands. Project website: <http://solarspell.org/> Library's open-access content website (mirror of offline version): <http://pacificschoolserver.org/> Partnered with US Peace Corps in Vanuatu and Federated States of Micronesia for training and deployment of first 50 libraries.

Advanced Project-Based Learning in Science, Technology, and Society (ISLA 456) S 2016

Courses Taught, **Illinois Institute of Technology:**

Technology for International Development Fall 2012, 2013

Examines the use of Information and Communication Technologies (ICTs) vis-à-vis global development efforts from a multidisciplinary social sciences perspective.

Fieldwork Methods Spring 2013, 2014

Real-World, Hands-on, Project-Based Qualitative Methods class open to all majors at IIT. In Spring 2014 students developed a baseline, mobile-phone friendly survey for evaluating schools' readiness to receive computers/technology. Used open-access data collection tool ODK Collect. Local partners in Micronesia implemented survey and collected data. In Spring 2013 students worked with partners in Chuuk, Federated States of Micronesia and developed (solar-powered) server pre-loaded with educational content for schools with computers but no Internet connectivity. Server content customized for Micronesia, while web-based interface allows for bring-your-own-device usability.

Entrepreneurial Interprofessionalization (EnPRO) Project Spring 2012

Solar-Powered-Computer-Lab-in-a-Box.

Multidisciplinary team-based, project-based course focused on designing and bringing to market an innovative product: a Solar-Computer-Lab-in-a-Box: an all-in-one, turnkey, simplified direct current (DC)-only solution that includes 6 Intel Classmate laptops, Solar panels, charge controller, a WiFi Router, and comes pre-wired, in packaging that becomes the furniture/table for the lab. Class functions as a start-up and performs market research, creates website and utilizes social media, attracts sponsors and partners, writes a business plan, designs and builds product prototype, and deploys it in first developing world implementation. <http://www.solarcubed.org/>

InterProfessional (IPRO) Project Fall 2010, Spring 2011, Fall 2011

Improving the Primary Educational Experience in Haiti.

Multidisciplinary team-based, project-based course focused on designing and deploying a replicable solar-powering solution for primary schools in Haiti. Led three team trips to Haiti, of which the first was a site survey visit (1/11). On the second trip (8/11), our team installed a 2.4 KW DC-only solar powering system at a primary school to charge up to 500 donated laptops, with funding from an IEEE Foundation grant. On the third trip (12/11), our team set up solar powered Internet connectivity and WiFi across the primary school campus, with funding from Internet Society Community Grant.

International Relations Fall 2009, 2010, 2011 2013, Spring 2013

Global Political Economy Spring 2010, 2011, 2014, Fall 2012

Promise and Problems of Science and Technology Policy Spring 2010

Comparative Politics Fall 2009

Global Political Economy in Paris (taking advantage of numerous site visits and guest speakers from relevant organizations and institutions in the city) Summer 2010

Courses Taught, **University of Southern California:**

Quantitative Analysis II (Econometrics course at Graduate Level), USC School of Policy, Planning and Development. Lecturer. Spring 2007

Teaching Assistant, Los Angeles and the American Dream, Department of Geography Fall 2004

Teaching Assistant, Introduction to International Relations, School of IR Spring 2002

RESEARCH EXPERIENCE

In-Country Fieldwork Research/Project Experience:

Comoros, Croatia, Ethiopia, Federated States of Micronesia, Fiji, Guam, Haiti, Lesotho, Macedonia, Malawi, Palau, Papua New Guinea, Rwanda, Samoa, Senegal, Slovenia, Solomon Islands, South Sudan, Sri Lanka, Tonga, Vanuatu, Zimbabwe

Visiting Research Associate, Institute for Communication Technology Management, Marshall School of Business, University of Southern California (USC) 2007-2014

Research Assistant, Pacific Council on International Policy, USC 2006

Research Assistant, USC, Center for Telecommunications Management 2005-2006

Research Fellow, Translator, (French, Dutch, Italian,) UN Global E-Government Survey and Report, United Nations Center for E-Government, USC 2004-2008

ADDITIONAL EDUCATION, EXPERIENCE & PROFESSIONAL DEVELOPMENT

Moonshot Cohort at ASU: The Moonshot Cohort positions teams of ASU faculty, staff, and their community partners to compete for and receive philanthropic moonshot funding to advance their charter-driven work. SolarSPELL competitively selected as one of 10 teams to meet monthly over two semesters. Experience culminates in “Demo Day” during which participants present their ideas in front of program officers from philanthropic foundations. 2024-2025

Lecturer at Estonia Business School 4th International Summer School on Digitalization and Sustainability. Led workshop on Digitalization Challenges in Developing Countries and on SolarSPELL. Also served on Assessment Committee for Team Presentations of Futures Scenarios Summer 2024

Arizona State University, Knowledge Enterprise in Washington DC Leadership Forum, KE in DC: Goal of program to lend shared experiences across cohort that cultivates meaningful relationships working with professionals in the Washington DC area, with an eye to enabling expansion of scholars' knowledge enterprise.	2021-2022
Arizona State University, Leadership Academy (Peer Leadership Academy Cohort 5)	2017-2018
Fordham University, Advanced Certificate in Emerging Markets and Political Risk Analysis	2002
Venice International University (Italy), Graduate Study Program in Economics and Finance	2001
Universiteit van Amsterdam, <i>Staatsexamen</i> : Dutch language diploma (grants permission to study at the University level in Dutch in The Netherlands)	2000
United Nations, Geneva, Graduate Study Programme (30 students are admitted each summer)	2000
Université de Lille-Charles de Gaulle (France), <i>Diplôme D'Etudes Françaises (Deuxième Degré)</i> : French Language Diploma, Second Level (grants permission to study at the University level in French)	1998
Université de Nice-Sophia Antipolis (France), <i>Diplôme D'Etudes Françaises (Premier Degré)</i> : French Language Diploma, First Level	1997
House of Commons, London, Internship with MP Teresa Gorman	1995

PROFESSIONAL SERVICE

Board Member, Swedish Program for ICT in Developing Regions (SPIDER), funded by the Swedish International Development Agency, hosted at Stockholm University	2010-present
Faculty Advisory Committee, College of Global Futures, ASU	2024-2025
Social Sciences Dean Search Committee (External Member), The College of Liberal Arts and Sciences (The College), ASU	2022
Personnel Committee, College of Global Futures, ASU	2021-2022, 2022-2023
Global Technology & Development Committee (Master's Degree level) Coverdell Fellow Committee	2021-2022, 2022-2023 2020, 2021, 2023
Walton Sustainability Solutions Chair Search Committee, Global Futures Lab, ASU	2021
Faculty Advisor, Engineering World Health student chapter, ASU	2020-present
Faculty Advisor, SolarSPELL student club, ASU	2017-2019
SFIS Undergraduate Curriculum Committee, ASU	2016-present
SFIS Innovation in Global Development PhD Planning Committee, ASU	2017-2018
University Faculty Council Committee Member: Illinois Institute of Technology	2012-2014

Associate Chair (Interim), Department of Social Sciences, Illinois Institute of Technology	2011-2012
Curricular Development Committee, Lewis College at IIT: Develop curriculum and plan for new Undergraduate BS Degrees: Technology and Economic Development, Economic Policy	2012-2013
Undergraduate Studies Committee Member: Illinois Institute of Technology	2009-2011
Faculty Co-Advisor, Engineers Without Borders (EWB), Illinois Institute of Technology	2010-2014
Faculty Co-Advisor, Engineers for a Sustainable World (ESW), IIT	2012-2014
Fulbright Campus Interview and Evaluation Committee, IIT	2012-2014
Academic Honesty Committee, Social Sciences, IIT	2014
Secretary/Treasurer of Science, Technology, and Policy (STEP) Section, American Political Science Association	2011-2014
Executive Board Member, Information Technology & Politics Section (ITP), American Political Science Association	2010-2014
Executive Board Member, International Communication Section (ICOMM), International Studies Association	2009-2011

Journal Referee:

Journal of Political Science Education (2020-2022)
 Information Technology for Development (2009-present)
 Telecommunications Policy (2016-present)
 Journal of Engineering Education (2019, 2023)
 Journal of Engineering Studies (2017)
 Journal of Ecotourism (2017)
 Information Technologies and International Development (2004-2017)
 Journal of Information Technology and Politics (2011)
 Business and Politics (2011)
 Information Systems Management (2010)
 Manuscript Reviewer for Routledge (2010)
 Review of Policy Research (2013)
 Journal of Communication (2011)
 Global Environmental Politics (2013)
 International Journal of Electronic Business (2010)
 Journal of Business Systems, Governance & Ethics (2008)

Conference Paper Referee:

Pacific Telecommunications Council Annual Conference (2008-2017)
 Information Communication Technology and Management (ICTM) (2012)
 International Federation for Information Processing Working Group 9.4: Social Implications of Computers in Developing Countries (2008-2010, 2018)
 Hawaiian International Conference on System Sciences (HICSS) (2008)
 Australasian Conference on Information Systems (2007)
 Los Angeles Global Mobility Roundtable (2007)

Conference Planner, Conference Proceedings Editor:
Los Angeles Global Mobility Roundtable, 2007

Conference/Program Committee Member:
Global Mobility Roundtable, Cairo, Egypt, 2009
Australasian Conference on Information Systems, Christchurch, New Zealand, 2008
Information Communication Technology and Management, Wroclaw, Poland, 2012

Senior Program Committee Member/Referee:
ICTD 2015 (Information & Communication Technologies and Development)
ICTD 2016

Grant Reviewer:
BRAC Institute of Governance and Development WEE-DiFine Challenge, 2022
Swiss National Science Foundation SNSF, 2019
SSHRC Social Sciences and Humanities Research Council of Canada, 2016
University of Gothenburg Centres for Global Social Challenges (UGOT Challenges), 2015
Volkswagen Foundation African Initiative: Knowledge for Tomorrow: Cooperative Research Projects in Sub-Saharan Africa, 2014

STUDENT AND STAFF MENTORING (SOLARSPELL)

SolarSPELL Full Time Staff

Marisa Arancibia hired as full time Digital Librarian May 2025-present

Cassie Barrett hired as full time Student Engagement Coordinator August 2023-present

Abigail Johnson (ASU MS Sustainability Solutions 2020) hired as full time Communications Specialist
Jan 2023 – present

Jacob Shaeffer (ASU BS Computer Science 2017) hired as full time Web Developer Jan 2023 – present

Rachel Nova (ASU Learning Sciences MA grad 2022) hired as full-time Project Manager Sep 2022 –
present

Sara Jordan (ASU BA grad 2016) hired as full-time library specialist: Sep 2018 – Jul 2024

Courtney Finkbeiner hired as full-time Student Engagement Coordinator May 2020 – May 2023

Coreen Walsh hired as full-time Project Manager Mar 2020 – Sep 2022

Zeinab Serhan (ASU GTD MS grad 2020) hired as full-time Information Technology Advisor July 2020
– Aug 2022

Stephanie Petersen (ASU M.Ed. grad 2012, ASU BA grad 2007) hired as full-time Project Manager Mar
2020 – Apr 2022

Jude Schroder (ASU BA grad 2020) hired as part-time Videographer July 2020 – Jun 2021

Katarina Thorlin (ASU BA grad 2016) hired as full-time Library Specialist June 2020 – Mar 2021

Chloe Scott (ASU BA grad 2018) full-time intern Jan – May 2018; hired as full-time management intern:
July 2018 – Mar 2020

Kristen Linzy (ASU GTD MS grad 2017, ASU BA grad 2015) hired as full time Project Coordinator:
April 2018 – Dec 2019

Coverdell Fellows / Returned Peace Corps Volunteers / Master's Students Serving as Interns on SolarSPELL Initiative

Ryan Watling (ASU Global Technology and Development MS 2025) Monitoring and Evaluation Intern,
Qualitative team, Fall 2023-Spring 2024

Jennifer Ayala (ASU Learning Science MA 2024), Library Curation, Fall 2022-Spring 2023
Paye Kialain (ASU Management of Technology MS Tech 2024), Library Curation, Fall 2022; Monitoring and Evaluation Intern Quantitative and Qualitative teams: Spring 2023-Fall 2023. Full time M&E Intern Summer 2023.
Libbie Farrell (ASU Global Technology and Development MS 2023), Monitoring and Evaluation Intern, Fall 2021-Spring 2022; FT Summer 2022; Fall 2022-Spring 2023
Allison Hoops (ASU Global Technology and Development MS 2023), PT Monitoring and Evaluation Intern, Fall 2021-Spring 2022; FT Summer 2022; Fall 2022-Spring 2023
Mariner Cheney (ASU WP Carey Business Administration MBA 2023), Monitoring and Evaluation Planning and Mapping, Fall 2021-Spring 2022; Fall 2022-Spring 2023
Colby Howell (ASU Environmental and Resource Management MS 2022) Agricultural Library Content Curation Team Lead, Spring 2021-Spring 2022
Elizabeth (Liz) Wolfe (ASU WP Carey Business Administration MBA 2023), Monitoring and Evaluation Planning and Mapping, Fall 2021
Brooke Bettis (ASU WP Carey Business Administration MBA 2022), In-Field Training and Offline Training Course Creation, Fall 2020-Spring 2021
Jared Sidman (ASU Global Technology & Development MS 2021) In-Field Training and Offline Training Course Creation, Fall 2021-Spring 2021

SolarSPELL Student Workers

Noha Labani (ASU English Writing, Rhetorics & Literacies PhD) Graduate Service Assistant working on Arabic-language Offline Training Course: Fall 2022-Spring 2024
Pavithra Devi Rajkumar (ASU Information Tech MA 2023) software developer: Spring 2022-Summer 2022
Matthew Jurenka (ASU Computer Science undergrad 2023) software developer: Fall 2019 – Fall 2021
Lee (Elizabeth) Chiffelle (ASU Astrophysics undergrad 2022) special projects: Nov 2019 – May 2021
Kaitlyn Matthews (ASU Cronkite School Journalism undergrad 2022) marketing and social media: Fall 2019
Phuc Tran (ASU HIDA film studies undergrad 2020) student videographer: Fall 2019-Fall 2021
Michael Santos (ASU HIDA film studies undergrad 2020) student videographer: Fall 2019
Vipanchi Chacham (ASU Software Eng. MS 2020) web designer: Fall 2019
Tharun Kumar (ASU Computer Science MS 2020) meta-data specialist: June 2019-Dec 2019
Jude Schroder (ASU PolSci undergrad 2020) student videographer: Apr 2019-May 2020
Bailey de la Torre (ASU undergrad 2019) full time grant and donor relations: May – Aug 2019
Sai Manideep Cheekatimalla (ASU MS grad 2019) meta-data specialist: Jan 2019 – May 2019
Vignesh Mahesh (ASU Electrical Engineering grad 2020) charge controller and battery redesign: Spring 2019-Spring 2020

SolarSPELL Student Interns

Please note: Nearly all of the interns listed below are engaged on a for-credit, 3-credit, semester-long basis with the SolarSPELL initiative. Though I mentor, oversee, and supervise their activity, I do not earn teaching credit for doing so. I would estimate that overseeing this many students, on this many different experiential, hands-on projects, all from various disciplines, would equal several classes in terms of effort level.

Abhijit Girish (ASU Computer Science undergrad 2025) Software Engineering intern Spring 2024
Alexandria Mitchell (University of Arizona MLIS Master's 2024) Digital Collections Specialist Intern Spring 2024
Arjun Agrawal (ASU Data Science undergrad 2025) Data Analyst Intern Spring 2024

Brandon Le (ASU Industrial Design undergrad 2024) Industrial Design intern Spring 2024

Casey Gipson (University of Arizona MLIS Master's 2024) Digital Collections Metadata Specialist Intern Spring 2024

Deeksha Sunethra Rai (ASU Human Computer Interaction Master's 2024) UI/UX Graphic Design Intern Spring 2024

John Nguyen (ASU Software Engineering undergrad 2024) software engineering intern Spring 2024

Julia Miller (ASU Global Health Master's 2024) Gender Equity Content curation team Spring 2024

Lauren Fink (ASU Graphic Design undergrad 2024) Design icons and assets intern Spring 2024

Mak Jones (University of Arizona MLIS Master's 2024) Digital Collections Metadata Specialist Intern Spring 2024

Matthew Schlagel (ASU W.P.Carey Business Analytics undergrad 2024) Data Analytics team intern Spring 2024

Niloofer Sahimi (Pasadena City College Environmental Science undergrad 2027) Library Metadata Developer Spring 2024

Saharsh Goenka (ASU Computer Science undergrad 2025) Software Development Intern Spring 2024

Sophia Zuo (Parsons The School of Design Communication Design undergrad 2024) Graphic Design intern Spring 2024

Thomasina (Sina) Muckenfuss (University of North Carolina Greensboro MLIS Master's 2024) Digital Library Metadata Specialist team Spring 2024

Zian Mahfuz (Florida State University Public Health undergrad 2024) Library collection intern Spring 2024

Hannah Johnson (University of Maryland Environmental Science undergrad 2025) Agriculture Content Curation intern Spring 2024

Fimiyo Viviane Ouattara (ASU Biology Science undergrad 2025) Health content curation intern Spring 2024

Alexandra Gianakopoulous (University of Illinois MLIS Master's 2024) Digital Collections Specialist Intern Spring 2024

Hannah Shulski (University of Washington MLIS Master's 2024) Library Metadata developer intern Spring 2024

Kaili Duane (University of Washington MLIS Master's 2024) Health Library Metadata developer intern Spring 2024

Sameera Shaik (ASU Global Health Master's 2024) Southern Africa collection content curation intern Spring 2024

Jusreen Kaur (ASU Biomedical sciences undergrad 2023) SolarSPELL Health content curation team Spring 2024

Adnan Turan (ASU MLFTC Educational Policy PhD student 2025) Kurdish and Arabic library content support Fall 2023

Amber Keener (ASU Geographic Information Systems undergrad 2023) Data Analysis intern Fall 2023

Ana Feinson (ASU Geography undergrad 2025) Wikipedia for Schools intern (Barrett) Fall 2023

Benjamin Lewanika (Kamuzu University of Health Sciences, Malawi, Library and Information Sciences Master's 2024) Health Library Metadata intern Fall 2023

Erin Burgard (ASU Environmental Engineering undergrad 2024) SolarSPELL Training Course intern Fall 2023

Haniyah Williams (Kalamazoo Valley College Graphic Design undergrad 2023) Graphic Design Intern Fall 2023

Jessica Jannssen (ASU Edson CONHI DNP graduate student 2023) SolarSPELL Health Training Course intern Fall 2023

Jusreen Kaur (ASU Biomedical sciences undergrad 2023) SolarSPELL Health content curation team Fall 2023

Kash Khatri (ASU Computer Science undergrad 2026) Data Analysis intern Fall 2023
Madeline Pennell (ASU Sustainability undergrad 2026) Agricultural collection content curation intern fall 2023
Mason Calhoun (ASU Communications undergrad 2024) Social media and marketing intern Fall 2023
Nitesh Puri (ASU Mechanical Engineering undergrad 2023) Health Metadata Intern Summer 2023
Rachael Scott (University of Arizona MLIS Master's 2023) MLIS Metadata Intern team Fall 2023
Rajvir Singh (ASU Film and Media undergrad 2025) Videography intern Fall 2023
Rawiya Ali (ASU Biomedical Sciences undergrad 2026) Arabic Library intern Fall 2023
Ren Dickson (ASU Biological Sciences undergrad 2024) SolarSPELL Health content curation team Fall 2023
Souzan Brimo (ASU Biomedical Engineering undergrad 2024) Arabic library intern Fall 2023
Zoe Winick (ASU Innovation in Society undergrad 2026) Agriculture collection content curation intern Fall 2023

Adelaide Randall (ASU Psychology undergrad 2024) Southern Africa collection content curation team Summer 2023
Amber Keener (ASU Geographic Information Systems undergrad 2023) Data Analysis intern Summer 2023
Atharva Gupta (ASU Computer Science undergrad 2024) Software Design intern Summer 2023
Jasmine Phillips (Florida State University Information Science Master's Student 2024) MLIS Metadata Intern Summer 2023
Lilyann (Lily) Martin (ASU Graphic Information Technology undergrad 2024) Graphic Design intern Summer 2023
Madysen Marlow (ASU W.P. Carey Business Marketing undergrad 2024) Communications Aide intern Summer 2023
Mason Calhoun (ASU Communications undergrad 2024) Communications Aide intern Summer 2023
Nicolas Burton (ASU Computer Science undergrad 2025) Machine Learning project intern Summer 2023
Niharika Verma (ASU Information Technology Master's 2024) Data Analysis intern Summer 2023
Nitesh Puri (ASU Mechanical Engineering undergrad 2023) Health Metadata Intern Summer 2023
Rachel Deitch (University of Texas School of Information Master's 2024) Health digital collection meta-data MLIS team Summer 2023
Shefali Sinha (ASU Business Communications undergrad 2027) Communications and Marketing intern Summer 2023
Jainan Marble (ASU Microbiology undergrad 2025) content curation intern summer 2023
Lorelai Hale (ASU Medical Studies intern 2026) health content curation intern summer 2023
Rachael Scott (University of Arizona MLIS Master's 2023) MLIS Metadata Intern team Summer 2023
Sierra Planck (ASU Biological Sciences undergrad 2023) Metadata intern Summer 2023
Ren Dickson (ASU Biological Sciences undergrad 2024) SolarSPELL Health content curation team summer 2023
Jusreen Kaur (ASU Biomedical sciences undergrad 2023) SolarSPELL Health content curation team summer 2023

Amy Charles (ASU Learning Design MLFTC Master's student 2023) Education Offline Training Course: Spring 2023
Aspen Carrol (ASU Global Health undergrad 2024) Health content curation team, Sp 2023
Audrey Nagle (ASU Sustainability undergrad 2023) Agriculture Collection Content Curation team Sp 2023
Ben Keller (ASU Global Technology & Development Master's student 2023) SolarSPELL documentary filmmaker Sp 2023

Cindy Bonilla-Cirocco (UofA MLIS student 2023) Digital Asset Management team Sp 2023
Danielle Prasad (ASU Sustainability undergrad 2023) Sustainability Content Curation team Sp 2023
Denise Birnbaum (ASU Mirabella Resident, volunteer) Library review volunteer Sp 2023
Edwin Rodriguez (ASU W.P. Carey Finance Undergrad 2023) Spanish Language Metadata Reviewer Sp 2023
Emily Smith (ASU Sustainability Undergrad 2023) Agriculture Collection Content Curation team Sp 2023
Ines Umurerwa (University of Rwanda Agriculture undergrad 2023) Rwandan agriculture content and metadata tagging team Sp 2023
Jean Marie Vianney Misago (University of Rwanda Agriculture undergrad 2023) Rwandan agriculture content and metadata tagging team Sp 2023
Kathleen Rafferty (ASU Sustainability undergrad 2023) Agriculture Collection Content Curation team Sp 2023
Maire Josee Iradukunda (University of Rwanda Agriculture undergrad 2022) Rwandan agriculture content and metadata tagging team Sp 2023
Meadow Cooper (ASU W.P. Carey Business Sustainability undergrad 2023) Agriculture Collection Content Curation team Sp 2023
Megan Shudde (ASU Learning Design MLFTC Master's student 2023) Education Offline Training Course: Spring 2023
Melissa Tovar (ASU Graphic Information Technology: User Experience undergrad 2025) Graphic Design Intern Spring 2023
Natassia Redden (ASU Learning Design MLFTC Master's student 2023) Education Offline Training Course: Spring 2023
Nora Khaled (ASU Psychology undergrad 2024) Arabic library intern Sp 2023
Quinn McKissock (University of Illinois MLIS student 2024) MLIS Intern Arabic Library Sp 2023
Samuel Roller (University of Washington MLIS student 2023) MLIS Intern Arabic Library Sp 2023
Sarina Asher (ASU Sustainability undergrad 2023) Sustainability content curation team Sp 2023
Sierra Planck (ASU Biological Sciences undergrad 2023) Metadata intern Sp 2023
Sofia Zimmerman (ASU Biological Sciences undergrad 2025) Health Content curation team Sp 2023
Valentine Uwimana (University of Rwanda Agriculture undergrad 2022) Rwandan agriculture content and metadata tagging team Sp 2023

Sarina Asher (ASU Sustainability undergrad 2023) Barrett Honors Research Program, focused on organizing Southern Africa library: Fall 2022
Dani Prasad (ASU Sustainability undergrad 2023) Barrett Honors Research Program, focused on organizing Southern Africa library: Fall 2022
Sierra Planck (ASU Biological Sciences Undergrad 2023) Barrett Honors Research Program, focused on organizing Southern Africa library: Fall 2022
Emma Wymore (ASU Global Studies undergrad 2026) Barrett Honors Research Program, focused on content curation for French library: Fall 2022
Colin Braun (University of Rhode Island Master of Library Science 2022) PT Intern Content Curator for East Africa library: Fall 2022
Stephanie Durst (ASU Doctor of Nursing Practice student 2024) PT intern focused on French-language Health library: Fall 2022
Desiree Melvin (ASU Global Health MS 2022) PT intern focused on Health-specific Monitoring & Evaluation Plan and tools: Fall 2022
Christina Sturgeon (ASU Mechanical Engineering Undergrad 2025) Barrett Honors Research Fellow focused on Hardware Testing & Protocols: Fall 2022
Max Rosen (San Jose State University MLIS 2022) PT Intern focused on Digital Collections Specialist: Fall 2022

Siddharth Mehta (ASU Computer Science MS 2023) PT Intern Focused on Web Development: Summer 2022

Joshua Lubin (ASU Computer Science undergrad 2024) PT Intern Focused on Web Development: Summer 2022

Atharva Gupta (ASU Computer Science undergrad 2025) PT Intern Focused on Web Development: Summer 2022

Janvi Siddhapura (ASU Computer Science undergrad 2024) PT Intern focused on Graphic Design: Summer 2022, Fall 2022

Melissa Tovar (ASU GIT: User Experience undergrad 2024) PT Intern focused on Graphic Design: Summer 2022, Fall 2022

Rehab Meckawy (ASU International Health Masters 2022) PT Intern focused on Arabic Translation

Helena Silva Goldbaum (ASU Psychology undergrad 2025) Barrett Honors Research Program, focused on Special Needs/Special Education Content: Summer 2022, Fall 2022

Nora Khaled (ASU Psychology undergrad 2025) Barrett Honors Research Program, focused on Arabic language content curation: Summer 2022, Fall 2022

Audrey Zelinka (ASU Psychology and Sociology undergrad 2024) Barrett Honors Research Program, focused on Health / Crisis Response team: Summer 2022

Alie Shbur (ASU GIS and Applied Computing undergrad 2023) PT intern focused on Web Development: Summer 2022

Julie Lam (ASU Biomedical Sciences undergrad 2025) PT Barrett Honors Research Program Intern focused on Health / Crisis Response team: Summer 2022

Brooke Hesselfeldt (ASU Biological Sciences undergrad 2023) PT Barrett Honors Research Program Intern focused on Health / Crisis Response team: Summer 2022

Hong-Ting (Annie) Chen (ASU User Experience MS 2023) PT Intern focused on User Experience Summer 2022

Joe Nixon (ASU Film Studies undergrad) PT Videographer: Spring 2022

Saketh Pabolu (ASU Computer Science undergrad) PT intern focused on Raspberry Pi: Spring 2022

Malin Tan (ASU Computer Science undergrad) PT intern focused on web development: Spring 2022

Allyson Huang (ASU Informatics undergrad 2025) PT intern focused on metadata: Spring 2022, Summer 2022

Michelle Zhao (ASU Business Data Analytics & SCM undergrad) PT intern focused on metadata: Spring 2022

Yifan Zhou (ASU Computer Science MS) PT intern focused on Web Development: Spring 2022

Katie Halmekangas (ASU Sustainability undergrad) PT intern focused on Sustainability Content Curation: Spring 2022

Priyanka Tadepalli (ASU Computer Science undergrad) PT intern focused on Web Development: Spring 2022

Stanley Liu (ASU Computer Systems Engineering undergrad) PT intern focused on Metadata: Spring 2022

Hala Shaheen (ASU Global Technology & Development MS) PT intern focused on Marketing & Social Media: Spring 2022

Alex Cisneros (ASU History and Political Science undergrad) PT intern focused on Content Curation: Spring 2022

Chris Duthie (ASU French and Philosophy undergrad) PT intern focused on Content Curation in French: Spring 2022

Christine Otaluka (ASU Health Sciences undergrad) PT intern focused on Content Curation in French: Spring 2022

Mohamad Al Zein (ASU Engineering MS) PT intern focused on Content Curation in Arabic: Spring 2022

Marwa Abdou (ASU Health Informatics MS) PT intern focused on Content Curation in Arabic: Spring 2022

Mosab Abu Hammad (ASU Engineering MS) PT intern focused on Content Curation in Arabic: Spring 2022

Sarthak Argwal (ASU Computer Science undergrad) PT intern focused on IT: Spring 2022

Michelle Raney (ASU Doctor of Nursing Practice student) PT Intern focused on Content Curation for Health library: Spring 2022

Juniper Neff (ASU Math undergrad) PT intern focused on social media and communications: Spring 2022

Ceng Cui (ASU GIS MS) PT intern focused on GIS work for SolarSENSE project: Spring 2022

Keenan

Chukwuzulum Nwizu (ASU Industrial Design Undergrad 2022) PT Industrial Design Intern, Fall 2021

David Yao (ASU Data Science Undergrad 2022) PT Metadata Intern, Fall 2021

Claudette Kinds (ASU Exchange Student from University of Groningen, NL, International Business Administration Bachelor's) PT Supply Chain Intern, Fall 2021

Aishwarya Prabha Ramakrishnan (ASU Computer Software Engineering MS 2022) PT User Experience Intern, Fall 2021

Madison Fletcher (ASU Sustainability BA 2022) PT Content Curation (Sustainability focus) Intern, Fall 2021

Lan Ling (ASU Interdisciplinary Studies BA 2021) PT Metadata Intern, Fall 2021

Stephen Paul Guertler (University of Arizona Masters of Library and Information Sciences MLIS 2022) PT Content Curation Intern

Sue Ann Lau (San Jose State University Masters of Library and Information Sciences MLIS 2021) PT MLIS Digital Collections Intern, Fall 2021

Zain Jakwani (ASU Computer Science BS 2023) PT Web Developer Intern, Fall 2021

Ashley Reise (San Jose State University Masters of Library and Information Sciences MLIS 2021) PT MLIS Digital Collections Intern, Fall 2021

Sritharini Radhakrishnan (ASU Electrical Engineering BS 2023) PT Geospatial Analysis Intern, Fall 2021-Spring 2022

Juan Garcia (San Jose State University Masters of Library and Information Sciences MLIS 2021) PT MLIS Digital Collections Intern, Fall 2021

Alexandra Justesen (ASU Sustainability BA 2022) PT Content Curation (Sustainability focus) Intern, Fall 2021

Jaydan Fleming (ASU Graphic Information Technology BA 2022) PT Web Development Intern, Fall 2021

Eric Magoffin (ASU Software Engineering MS 2021) PT Software Solutions Intern Summer 2021

Lubna Alsaka (ASU Global Technology and Development MS 2021) PT Content Curation (Wikipedia for Schools focus) Summer 2021

Nebeyu Daniel Menkir (ASU Geographic Information Systems BS 2021) PT Content Curation Intern (Ethiopia specialization) Spring 2021, Summer 2021

Stephanie Duran (San Jose State University Masters of Library and Information Science 2023) PT MLIS Digital Collections Intern, Spring 2021, Summer 2021, Fall 2021

Rithikaa Madhavan (ASU Business Data Analytics BS 2022) PT Metadata Intern, Spring 2021, Summer 2021, Fall 2021

Hyokyung Hwang (San Jose State University Masters of Library and Information Science 2023) PT MLIS Digital Collections Intern, Spring 2021, Summer 2021

Daisha Bahadoor (University of Denver Masters of Library and Information Sciences 2022) PT MLIS Digital Collections Intern, Summer 2021

Keenan Carter (ASU Film Studies BA 2023) PT Videography Intern, Summer 2021, Fall 2021, Spring 2022

Kayla Pinson (North Carolina Central University Masters of Library & Information Sciences MS 2021) PT MLIS Digital Collections Intern, Summer 2021

Lauryn Armstrong (ASU Graphic Information Technology BA 2024) PT Graphic Design Intern, Summer 2021

Suzan Omar Elmajali (ASU Computer Science MS 2021) PT Usage Data Analysis Tool Software Intern, Summer 2021, Fall 2021

Taliah Rodriquez (ASU Secondary Education BA 2022) PT Educational Content and Metadata Management, Summer 2021

Rishik Kolli (ASU Computer Science BS 2024) PT Metadata Intern, Summer 2021

Teresa Hernandez (ASU Technical Communication BA 2021) PT User Experience Intern, Summer 2021, Fall 2021

Spandana Bhattacharya (ASU Computer Science MS 2022) PT Usage Data Analysis Tool Software Intern, Summer 2021

Pavithra Devi Rajkumar (ASU Information Tech MA 2023) PT back-end software developer: Content Curation Web App Intern, Summer 2021, Fall 2021

Daniel Lu (ASU Astrophysics BS 2022) PT Circuit Board Design Intern, Summer 2021, Fall 2021, Spring 2022

Melia Jean Baptiste (University of Denver Masters of Library & Information Science 2022) PT MLIS Digital Collections Intern, Summer 2021

Haniyah Williams (ASU Graphic Design BA 2024) PT Graphic Design Intern, Summer 2021, Fall 2021, Spring 2022

Kavya Venkatraman (ASU Biological Sciences BS 2023) PT content curation intern, Summer 2021

Rishabh Sanjay Kumar (ASU Computer Science MS 2022) PT Back End Software Development Intern, Summer 2021

Jonathan Zhao (ASU Computer Science BS 2024) PT Front End Software Development Intern, Summer 2021

Candice Holland (ASU Nonprofit Leadership and Management BA 2021) PT Content Curation Intern, Spring 2021

Blanca Garcia (ASU Applied Computing Undergrad 2021) PT Data Science Intern, Spring 2021

Frank Manjaly (ASU Global Technology and Development MS 2021) PT Wikipedia for Schools Intern, Spring 2021

Lubna Alsaka (ASU Global Technology and Development MS 2021) PT Wikipedia for Schools Intern, Spring 2021

Sneha Pujani (Thunderbird Masters of Global Affairs 2021) PT Wikipedia for Schools Intern, Spring 2021

Gabriella Martinez (ASU Digital Audience Strategy Master's 2022) PT Social Media Intern, Spring 2021

Meghan Dilworth (ASU Geography Undergrad 2022) PT Content Curation Intern, Spring 2021

Bhavikha Rathod (ASU Graphic Information Technology Undergrad 2022) PT Graphic Design Intern, Spring 2021

Ninette Gonzalez (ASU Global Technology and Development MS 2022) PT Wikipedia for Schools Intern, Spring 2021

Alexandria Sweers (ASU Learning Design and Technology Master's 2021) PT Moodle Module Refinement Intern, Spring 2021

Amanda Rodriguez (ASU Global Technology & Development MS 2021) PT Agriculture content curation intern/fellow Fall 2020, Spring 2021, Summer 2021

Marybeth Bonner (ASU Sustainability & Supply Chain Management undergrad 2023) PT agriculture content curation intern Fall 2020

Mary Haddad (ASU Earth & Environmental Studies & Biological Sciences undergrad 2022) PT agriculture content curation intern Fall 2020 – Spring 2022

Samantha Sokol (ASU Electrical Engineering undergrad 2022) PT SolarSPELL testing intern Fall 2020

Karime Arreguin (ASU Graphic Information Technology undergrad 2021) PT user interface/user experience intern Fall 2020-Sp 2021

Kate Ross (Brandeis University International & Global Studies undergrad 2021) PT content curation intern Fall 2020-Spring 2021

Tu'ufuli Reupenny (ASU Interdisciplinary Studies undergrad 2020) PT metadata intern Fall 2020-Spring 2021

Devin Robbins (ASU Sustainability undergrad 2021) PT content curation intern Fall 2020

Eleni Birhane (ASU Global Technology & Development MS 2021) PT content curation intern Fall 2020 – Spring 2021

Kara Gardner (ASU Biology & Society undergrad 2021) PT content curation intern Fall 2020

Wen Wendt (ASU Political Science undergrad 2021) PT content curation intern Fall 2020

Mia Czarnecki (ASU Sustainability & Spanish undergrad 2021) PT content curation intern Fall 2020

Brittany Carter (ASU Web Development undergrad 2021) PT User Interface/User Experience intern Fall 2020

Samantha Cayo (San Jose State University Master's Library & Information Science 2021) PT meta-data specialist intern Fall 2020 – Spring 2021

Zane Encinas (ASU Philosophy, English, Sustainability undergrad 2022) PT intern content curation Fall 2020

Jason Ormsby (ASU Computer Science undergrad 2021) PT intern computer science special projects Fall 2020-Sp 2021

Winnie Scopas (Abilene Christian University undergrad 2023) FT content curation intern Summer 2020

Gilgal Ansa (ASU Biomedical Engineering Master's 2021) FT content curation intern Summer 2020

Camden Paillot (ASU Sustainability undergrad 2020) FT content curation intern Summer 2020

Colin Marvin (ASU Geography undergrad 2021) FT content curation intern Summer 2020

Claudia Frago (ASU Biomedical Engineering Master's 2021) FT content curation intern Summer 2020

Shannon Quigley (ASU Geography undergrad 2021) FT content curation intern Summer 2020

Grace Umerani Faustino (University of Rochester Public Health undergrad 2021) FT content curation intern Summer 2020, Summer 2021

Priya Borah (ASU Biomedical Engineering undergrad 2021) FT content curation intern Summer 2020, PT Offline Training Course Creation Intern Summer 2021

Karla Cosio (ASU Electrical Engineering undergrad 2022) FT content curation intern Summer 2020

Ashley Tse (ASU Biomedical Engineering undergrad 2023) FT content curation intern Summer 2020, PT Offline Training Course Creation Intern Summer 2021

Tyler Miller (ASU Art History & American Indian Studies undergrad 2021) FT content curation intern Summer 2020

Camryn Lizik (ASU Public Health undergrad 2020) PT meta-data intern Spring 2020, Summer 2020, Fall 2020, Spring 2021

Melissa Kim (ASU undergrad) PT meta-data intern Fall 2019 – Spring 2020

Samantha Whitman (ASU Human & Social Dimensions of Science & Technology PhD 2021) Grad advisor to undergraduate teams working on SolarSPELL Health library Fall 2019 – Spring 2020

Madisyn Goodballet (ASU undergrad) FT metadata fellow Summer 2019-Spring 2020

Matthew Jurenka (ASU Computer Science undergrad 2023) PT web development intern Fall 2019

Alexandra Pippett (ASU undergrad) FT teacher lesson plan development intern Spring 2019- PT Fall 2019

Brooke Nelson (ASU undergrad) PT content curation and special projects intern Fall 2018-Summer 2019

Alma Varon (ASU undergrad) FT content curation intern: Summer 2019

Hailey Campbell (ASU undergrad) FT content curation intern: Summer 2019

Vanessa Villalobos (ASU undergrad) FT content curation intern: Summer 2019

Justyn Zeider (ASU undergrad) FT content curation intern: Summer 2019

Bailey De La Torre (ASU Nonprofit Leadership & Management undergrad 2019) FT Marketing & Social Media intern Spring – Summer 2019

Ryan Kirmis (ASU Engineering undergrad 2019) FT software intern Summer 2018

Kusum Ijari (ASU Computer Science Master's 2019) FT user experience/user interface intern Summer 2018

Ruth Oliver (ASU undergrad 2020) FT content curation intern Summer 2018

Ricardo Ornelas-Montes (ASU undergrad 2019) FT content curation intern Summer 2018

Jeremy Seidner (ASU undergrad 2019) FT content curation intern Summer 2018

Maddie Arnold (ASU Future of Innovation in Society & Journalism undergrad 2020) FT content curation intern Summer 2018

Adriana Castillo (ASU Political Science undergrad 2020) FT content curation intern Summer 2018

Victor Ruiz-Aviles (ASU grad student 2020) FT content curation intern Summer 2018

Vianca Rodriguez (ASU grad student 2020) FT content curation intern Summer 2018

Erika Karner (ASU Nonprofit Leadership & Management undergrad 2019) FT Fundraising intern Spring 2019

Chloe Scott (ASU Nonprofit Leadership & Management undergrad 2018) FT SolarSPELL undergrad Spring 2018

STUDENT MENTORING / ADVISING

Arizona State University Student Advising

Human and Social Dimensions (HSD) of Science and Technology PhD Program
Martin Perez Commisso, Fall 2017 – Summer 2020

Global Technology for Development Master's Applied Project/Capstone Advisor

2023: Emily Paget: Where Digital Meets Development: Creating Information Literacy Tutorials for the SolarSPELL Offline Digital Library

2023: Allison Hoops: Sunflower Kids: A Documentary about the use and impact of the SolarSPELL digital libraries initiative in Lesotho and Malawi. (Collaborative Applied Project with Benjamin Keller)

2023: Libbie Farrell: Offline Educational Approaches to Build Digital Literacy and Minimize Learning Disruptions: The Impact of SolarSPELL Digital Libraries During the COVID-19 Pandemic

2023: Benjamin Keller: Sunflower Kids: A Documentary about the use and impact of the SolarSPELL digital libraries initiative in Lesotho and Malawi. (Collaborative Applied Project with Benjamin Keller)

2023: Elie Al Kassouf (2nd reader)

2022: Rashad Al-Khmisly Building An Offline-Customized Wikipedia for Developing Information Literacy Skills in Low-Resource Schools Using Open-Source Tools

2021: Lubna Alsaka: Exploring Arabic Open Educational Resources (OER) Initiatives and their Openness for Offline Usage (Collaborative Applied Project with Osamah Naji) Co-Advised with Dr. Mary Jane Parmentier

2021: Osamah Naji: Exploring Arabic Open Educational Resources (OER) Initiatives and their Openness for Offline Usage (Collaborative Applied Project with Lubna Alsaka) Co-Advised with Dr. Mary Jane Parmentier

2020-2021: Eleni Birhane: SolarSPELL Training: Importance of Providing Appropriate and Localized Information to Users

2020-2021: Johanna Gilbert Vazzana: The Role of Cybersecurity in International Development

2019-2020: Zeinab Serhan: SolarSPELL Usability: Studying the User Experience to inform Future Improvements

2018: Kristen Linzy: Reporting and Standardizing In-Field Impact Assessment of the SolarSPELL Digital Library

2018: Lyndsay Booth: Examining the role of information and communication technologies (ICTs) vis-à-vis beneficiary participation in development projects

Master's Degree Advisor/Committee Member

2023: Paye Kialain: Using Predictive Data to Understand User Behavior in a Business and Non-Profit Setting. MS in Management of Technology

2021: Courtney Raymond: Improving Maternal Health Outcomes in Developing and Underprivileged Countries through Women's Empowerment and Increased Spousal Involvement. MS in Biology.

Global Technology for Development: Research Assistant

Jared Sidman, Research Assistant, Fall 2019 – Spring 2020; Fall 2020 – Spring 2021

Barrett Honors Thesis Advisor

2020: Courtney Raymond: Bringing Evidence Based Practice to Developing and Underprivileged Countries: A Focus on Women's Health and Midwifery

2019-2020: Emily Sherman: Distribution of Entrepreneurial Education to Underdeveloped Communities to Foster Economic Growth

2018-2020: Madison Arnold: A Framework for Designing Primary Education Technology for Resource Constrained Regions [Maddie was named SFIS Fall 2020 Outstanding Undergraduate Student]

2017-2018: Bethany Thielen: Redesigning the SolarSPELL content library website, incorporating user experience design principles

2017: Amanda Taylor: Putting a Ding in the Universe: Art Curriculum Development for the SolarSPELL

Honors (Non-Thesis) Research Projects/Contracts

Spring 2021: Karla Cosio; Ashley Tse

Fall 2020: Karla Cosio; Ashley Tse

Fall 2019, Spring 2020: Trevor Marske

Fall 2016: Arizona Baskin, Cynthia Weiringa

California Polytechnic State University Advising

Senior Projects

2016: Ginger Jacobs: Incorporating context into Project-Based, Interdisciplinary, International Service Learning Courses

2015: Kevin Schettler: The societal effects of copyright protection for distribution, publishing, and profit

Liberal Arts and Engineering Studies (LAES) Projects

2016: Christopher Carroux & Bhaumik Kotecha: Improving the Back-end and User Interface on the SolarSPELL website

2015: Kevin Gong: Evaluating in-field feedback on SolarSPELL

Illinois Institute of Technology Advising

Summer Research Interns

2014: Cara Karter: Climate Change in the Pacific: Creation and Implementation of a Needs Assessment and Baseline Survey in Chuuk, FSM

2012: Simon Brauer: Documenting and assessing the IIT Empowering Haiti project and discussing the implications for Information and Communication Technologies for Development (ICT4D).

External Advising

Stockholm University

PhD Examinations: Elly Gamukama, Stockholm University Department of Computer Science (Analytical Modeling of Internet Provision and Usage in Context of Development through a Utility Based Framework), 2015

PROFESSIONAL ASSOCIATION MEMBERSHIPS

IEEE Senior Member	2019-present
IEEE Member	2009-2019
IEEE Society on the Social Implications of Technology	2016-present
Internet Society (ISOC)	2009-present
Pacific Telecommunications Council (PTC)	2010-2017
Academy of Management	2007-2009
American Political Science Association (APSA)	2008-2014
International Studies Association (ISA)	2006-2014
Society for the Social Studies of Science (4S)	2015-2016

LANGUAGES/OTHER TRAINING

English (primary language), French (proficient), Dutch (proficient), Italian (intermediate)
Statistical Software: SPSS

TEACHING & RESEARCH INTERESTS

Information and Communications Technology (ICT); International Development; ICT4D; Experiential Learning; Innovation and Entrepreneurship; Team-Based, Project-Based Learning; Quality of Life; Public Policy; Natural Resources / Environment; Renewable Energy/Solar Energy; Public-Private Partnerships; Technology in Education; Telecommunications; International Relations; International Political Economy

DIGITAL DOCUMENTATION OF PROJECTS AND RELATED WORK

SolarSPELL Solar-powered offline digital library and information literacy initiative website:

<http://solarspell.org/>

Example of one SolarSPELL library collection (the Pacific Islands Education collection) can be found at: <http://pacificschoolserver.org/>

ICT4D Views from the Field. Personal research blog to capture, record, and share the author's experiences and thoughts regarding information and communications technology (ICT) being used for development purposes (ICT4D) around the world. Available at:

<http://ict4dviewsfromthefield.wordpress.com/>

TED: Ideas worth Spreading: Technology for Development: No Shortcuts. TEDxIIT talk by Laura Hosman, March 22, 2011. Available at: <http://www.youtube.com/watch?v=FKTxUA0bCI0>

SolarCubed: Project comprising Solar-Computer-Lab-in-a-Box, Teacher Training Syllabus, and Offline Educational Content Server. Project website. Available at: <http://www.solarcubed.org/>

PISCES Project: Pacific Island Schools Connectivity, Education, and Solar Project. Project website. Available at: <http://www.piscespacific.org>

MEDIA COVERAGE & RELATED PUBLIC COMMUNICATIONS

Kenya News Agency: Kenyans to Benefit from solar-Powered Portable Digital Library. August 4, 2025. Available at: <https://www.kenyanews.go.ke/kenyans-to-benefit-from-solar-powered-portable-digital-library/>

Daily Independent: \$1.5M in literacy grants target Arizona education gaps: A multifaceted approach to bridging educational gaps. June 14, 2025. Available at: <https://www.yourvalley.net/stories/arizonas-literacy-landscape,590783>

Axios Phoenix: A laptop-size solar powered library designed by ASU researchers to expand education access in developing countries is now helping Phoenix residents. May 1, 2025. Available at: <https://www.axios.com/local/phoenix/2025/05/01/asu-solarspell-libraries-global-impact>

ASU News: SolarSPELL wins ‘best in show’ award at South by Southwest. March 18, 2025. Available at: <https://news.asu.edu/20250318-sun-devil-community-solarspell-wins-best-show-award-south-southwest>

South by Southwest (SXSW): 2025 SXSW Innovation Awards winners announced. March 11, 2025. Available at: <https://www.sxsw.com/interactive/2025/2025-sxsw-innovation-awards-winners-announced/>

ASU News: How ASU research is helping first responders. March 11, 2025. Available at: <https://news.asu.edu/20250311-local-national-and-global-affairs-how-asu-research-helping-first-responders>

South by Southwest (SXSW): 2025 SXSW Innovation Awards finalists announced. January 23, 2025. Available at: <https://www.sxsw.com/interactive/2025/2025-sxsw-innovation-awards-finalists-announced/>

ASU News: ASU-developed SolarSPELL libraries deployed to help communities in Arizona. Oct 9, 2024. Available at: <https://news.asu.edu/20241008-science-and-technology-asudeveloped-solarspell-libraries-deployed-help-communities-arizona>

ICT Works: We must bring digital literacy to remote communities. Sep 25, 2024. Available at: <https://www.ictworks.org/we-must-bring-digital-literacy-to-remote-communities/>

Raspberry Pi News: Off-grid, offline digital libraries on Raspberry Pi 3. May 15, 2025. Available at: <https://www.raspberrypi.com/news/off-grid-offline-digital-libraries-on-raspberry-pi-3/>

ASU News: ASU nursing graduate determined to be a voice for the voiceless. Apr 22, 2024. Available at: <https://news.asu.edu/20240422-sun-devil-community-asu-nursing-graduate-determined-be-voice-voiceless>

Raspberry Pi News: SolarSPELL off-grid wireless hotspots. Dec 12, 2023. Available at: <https://www.raspberrypi.com/news/solarspell-off-grid-wireless-hotspots/>

The Homeless Romantic Podcast: Laura Hosman, Ph.D.: Making the World Better with Technology. May 22, 2023. Available at: <https://medium.com/@hrnews1/laura-hosman-ph-d-making-the-world-better-with-technology-international-development-145-hr-f81c5ab9cedb>

ASU News: Solar-powered libraries help Syrian communities rebuild from war. April 21, 2023. Available at <https://news.asu.edu/20230421-global-engagement-solarpowered-libraries-help-syrian-communities-rebuild-war>

ASU News: ASU nursing student changing lives across the globe. April 21, 2023. Available at <https://news.asu.edu/20230421-asu-nursing-student-changing-lives-across-globe>

The State Press: Student-made documentary highlights importance of worldwide literacy. April 13, 2023. Available at <https://www.statepress.com/article/2023/04/solar-power-asu-documentary-solarspell>

ASU News: ASU's SolarSPELL digital libraries help teachers in Ethiopian refugee camps. July 21, 2022. Available at: <https://news.asu.edu/20220712-global-engagement-asus-solarspell-digital-libraries-help-teachers-ethiopian-refugee-camps>

ASU News: Volunteers help SolarSPELL get back in action. April 6, 2021. Available at: <https://news.asu.edu/20210406-sun-devil-life-volunteers-help-solarspell-get-back-action>

The State Press: SolarSPELL Brought Virtual Learning Resources to South Sudan. Feb 14, 2021. Available at: <https://www.statepress.com/article/2021/02/spbiztech-solarspell-distributes-textbooks-south-sudan-covid>

PBS' Arizona Horizon / Catalyst: SolarSPELL. January 15, 2021. Available at: <https://azpbs.org/horizon/2021/01/catalyst-solar-spell/>

Forbes: What a Solar-Powered Portable Library Looks Like. Dec 30, 2020. Available at: <https://www.forbes.com/sites/christinero/2021/12/30/what-a-solar-powered-portable-library-looks-like/?sh=4480466c26ae>

Versatelist: Podcast featuring interview on background and story of SolarSPELL. August 16, 2020. Available at: https://www.podomatic.com/podcasts/versatelist/episodes/2020-08-16T12_24_17-07_00

ASU Now: ASU, Peace Corps agreement to expand SolarSPELL Learning platform's reach. July 10, 2020. Available at: <https://asunow.asu.edu/20200710-global-engagement-asu-peace-corps-agreement-expand-solarspell-learning-platforms-reach>

The State Press: SolarSPELL will bring educational content to a South Sudanese nursing school. April 16, 2020. Available at: <https://www.statepress.com/article/2020/04/spbiztech-solarspell-bringing-educational-content-to-south-sudanese-nursing-school>

The State Press: ASU to help refugees using SolarSPELL technology in Ethiopia. Feb 6, 2020. Available at: <https://www.statepress.com/article/2020/02/spbiztech-asu-to-host-community-education-alongside-humanitarian-support-in-ethiopia>

ASU Now: ASU professor's solar-powered library is transforming global education. July 25, 2019. Available at: <https://asunow.asu.edu/2019072-global-engagement-asu-professors-solar-powered-library-transforming-global-education>

ASU Now: Refugees in Uganda learn agribusiness through online initiative. June 6, 2019. Available at: <https://asunow.asu.edu/20190605-global-engagement-refugees-uganda-learning-agribusiness-through-online-initiative>

ASU Now: ASU students developing off-grid tech to help small farms build resilience to climate change. March 18, 2019. Available at: <https://asunow.asu.edu/20190318-solutions-asu-students-develop-off-grid-tech-help-small-farms-build-resilience-climate-change>

ThinkTech Hawaii: Interviewed for live broadcast on Community Matters show about SolarSPELL in the Pacific. March 8, 2019. Available at: <https://thinktechhawaii.com/solarspell-in-the-pacificcommunity-matters/>

Acccrn.net: Learning Climate Change through a Solar Powered Library. Jan 18, 2018. Available at <https://www.acccrn.net/blog/learning-climate-change-through-solar-powered-library>

Phoenix Business Journal: ASU project puts educational learning libraries where internet is scarce. Sep 17, 2017. Available at <https://www.bizjournals.com/phoenix/news/2017/09/17/asu-project-puts-educational-learning-libraries-in.html#i2>

ASU Now: ASU Professor Wins PLoS Alliance Prize for SolarSPELL Innovation. Sep 3, 2017. Available at <https://asunow.asu.edu/20170903-global-engagement-asu-professor-wins-plus-alliance-prize-solarspell-innovation>

ABC15 Arizona News: Solar Powered Digital Libraries Developed at ASU Being Used Worldwide. Aug 7, 2017. Available at <http://www.abc15.com/news/region-southeast-valley/tempe/solar-powered-digital-libraries-developed-at-asu-being-used-worldwide>

SparkDialog Podcast: Educational Hotspots for Children of the Developing World. Featured Expert. Apr 11, 2017. Available at http://sparkdialog.com/educational_hotspots_developing_world/

Future Out Loud Podcast: SolarSPELL. Featured Expert. Feb 13, 2017. Available at <https://soundcloud.com/user-723097380>

ASU Now: ASU Delivers Digital Libraries to Tonga. Dec. 6, 2016. <https://asunow.asu.edu/20161206-asu-delivers-digital-libraries-tonga>

ASU Now: No Internet, No Power, No Problem: ASU solar library empowers schools abroad. Sept. 12, 2016. <https://asunow.asu.edu/20160912-global-engagement-no-internet-no-power-no-problem-asu-solar-library-empowers-schools-abroad>

The State Press: SolarSPELL team aims to spread education in developing countries. Sept. 18, 2016.

Available at <http://www.statepress.com/article/2016/09/spscience-engineering-solarspell-asu-lab-digital-library>

Voice of America: Solar Powered Library Helps Remote Students. March 23, 2016. Available at <http://learningenglish.voanews.com/content/solar-powered-library-helps-remote-students/3240836.html>

BBC World Service Program *Click*: Gareth Mitchell interviews Laura Hosman about SolarSPELL Digital Libraries project for Vanuatu and Micronesia. July 7, 2015. <https://www.youtube.com/watch?v=a2zr2dQBISQ>

Voice of America. TECHtonics blog: Wi-Fi Solutions Fill Basic Gaps for Developing World. Interviewed for article, Nov 29, 2013. <http://blogs.voanews.com/techtonics/2013/11/29/wi-fi-solutions-fill-basic-gaps-for-developing-world/>

YouTube: Connecting the Chuuk Women's Council. Six-minute video highlighting the establishment of a computer lab at the Chuuk Women's Council to improve employment and communications opportunities for women across Chuuk State, FSM. Sep 28, 2013. <http://www.youtube.com/watch?v=g-o1KgES9W4>

SciDev.Net. East Africa: Focus On Private Sector - Making ICT Partnerships Work. Article based on interview, Aug 15, 2013. <http://allafrica.com/stories/201308150924.html?viewall=1>

Engineering for Change (E4C). Solar WiFi Links Micronesian Islands. News article, Sept 29, 2012. https://www.engineeringforchange.org/news/2012/09/29/solar_wifi_links_micronesian_islands.html

Renewable Energy World. Rural Island Power: Solar Computer Lab and Long-distance WiFi Installed at Remote School. Blog Post. August 31, 2012. Available at: <http://www.renewableenergyworld.com/rea/blog/post/2012/08/solar-computer-lab-in-a-box-and-solar-long-distance-wifi-set-up-at-rural-island-school-in-udot-chuuk-fsm>

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